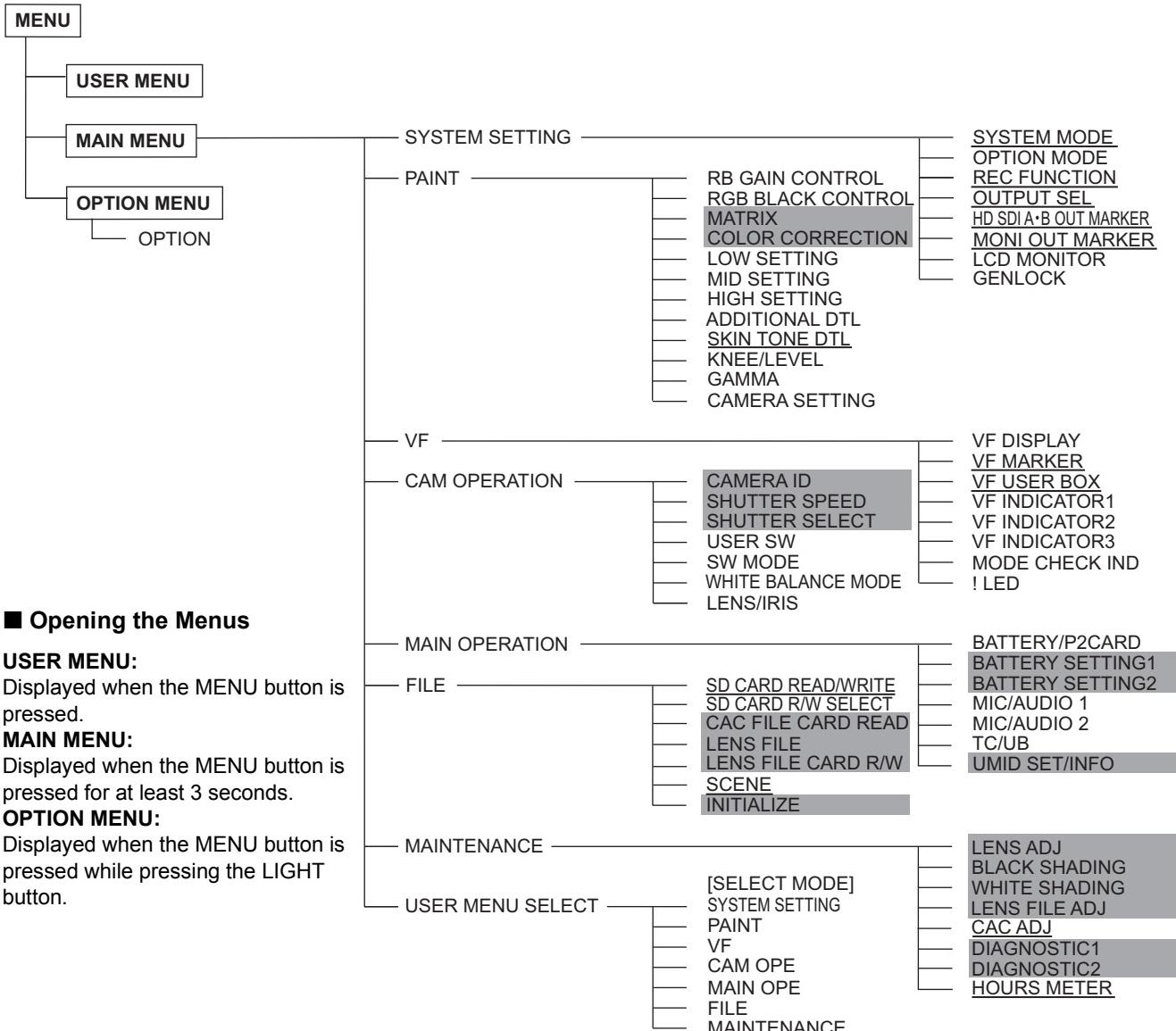


# **Panasonic Broadcast**

## **AJ-HPX3700 Menu Information**

# Menu

## Menu Configuration



### ◆ Notes

- The items highlighted in grey cannot be selected by <USER MENU SELECT>.
- The underlined items can only be selected by <USER MENU SELECT> as one whole page (with all sub-items). Individual sub-items cannot be selected separately.

### About Menu Description Tables

Items/ Data Saved	Adjustable Range	Remarks
SCAN REVERSE	OFF ON	This setting is for correcting an image which has been inverted by a film-use lens or anamorphic lens attached to the unit.  S C U F R

a b c

- a. The following letters indicate whether the modified menu data is saved to or read out from the memory.  
The – indicates that the data cannot be saved or read.  
**S** = Can be saved and read as scene file data.  
**C** = Can be saved or read using SD CARD READ/WRITE.  
**U** = Can be saved and read as user data.  
Please refer to [SCENE] (page 203) and [INITIALIZE] (page 203).  
**F** = Can be read using READ FACTORY DATA.  
Please refer to [INITIALIZE] (page 203).  
**R** = Can set whether or not to store changes using the RC DATA SAVE menu option.  
Please refer to [Connection of the remote control unit (AJ-RC10G)] (page 123).
- b. This section shows the adjustable range of the set value, and available options for this item.
- c. About the settings available for this item.

**USER MENU:** USER MENU is factory-set. The menu can be configured to suit your preferences by specifying each option according to your purposes and frequency of use, through the <USER MENU SELECT> screen, which is accessible from the MAIN MENU page. For more information, see [Selecting Options for USER MENU] (page 169). To display USER MENU, press the MENU button.

**MAIN MENU:** Allows you to set all options on the settings menu. This menu has a category-by-category structure, layered according to purposes and frequency of use. To display MAIN MENU, press the MENU button for 3 seconds or longer.

**SYSTEM SETTING:**

This option is used to specify recording signal, recording system, etc.

**PAINT:** This option is used to fine-adjust images while monitoring the output waveform of the camera, using the waveform monitor.

Normally, this adjustment requires assistance from a video engineer.

This option may be performed by an external remote control. However, it is valid when the unit is used as a stand-alone device.

**VF:** Used to select the information items to be displayed in the viewfinder screen.

**CAM OPERATION:**

Used to change settings according to the conditions for the subject.

**MAIN OPERATION:**

Used to specify recording-related items, such as audio settings, time code, battery and P2 card remaining amounts.

**FILE:** Used to specify file-related items such as SD memory card reading/writing and lens file settings.

**MAINTENANCE:**

Used to specify maintenance-related items.

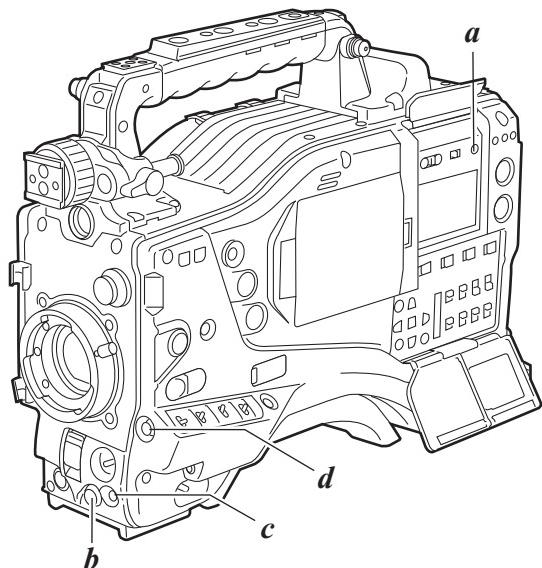
**USER MENU SELECT:**

Used to edit USER MENU.

**OPTION MENU:**

Provides options which may be needed if functions are added in the future.

To display OPTION MENU, hold down the LIGHT button and press the MENU button.



a. LIGHT button

b. Jog dial button

c. MENU button

d. SHOT MARKER/MENU CANCEL button

## Setting Menu Options

The menu options are set with the MENU and jog dial buttons.

The menu comprises main menu, sub-menus and options menus.

The data specified through menu options are written and saved in the internal memory of the unit.

This section describes how to set options in MAIN MENU.

The other menus can be configured in the same manner (the method of displaying the menu screen depends on the particular menu).

### ◆ Note

When the unit is in thumbnail mode, the viewfinder displays "THUMBNAIL OPEN", disabling navigation through the menu.

- 1 Press the MENU button for 3 seconds or longer.  
The MAIN MENU screen appears, together with its options.

```
→ **** MAIN MENU ****  
    SYSTEM SETTING  
    PAINT  
    VF  
    CAM OPERATION  
    MAIN OPERATION  
    FILE  
    MAINTENANCE  
  
    USER MENU SELECT
```

- 2 Turn the jog dial button to move the mark (→) to a desired menu option. Then, press the jog dial button to display the sub-menu screen.

```
**** MAIN MENU ****  
    SYSTEM SETTING  
    PAINT  
    VF  
→ CAM OPERATION  
    MAIN OPERATION  
    FILE  
    MAINTENANCE  
  
    USER MENU SELECT
```

- 3 Turn the jog dial button to move the mark (→) to a desired menu option. Then, press the jog dial button to display the options screen.

```
< CAM OPERATION >  
    CAMERA ID  
    SHUTTER SPEED  
    SHUTTER SELECT  
→ USER SW  
    SW MODE  
    WHITE BALANCE MODE  
    LENS/IRIS
```

- 4 Turn the jog dial button to move the mark (→) to a desired option. Then, press the jog dial button. The value starts blinking.

```
< USER SW >  
→ USER MAIN SW :VFR  
    USER1 SW :GET  
    USER2 SW :VF GAM  
    MARKER SEL :VF MARK  
    (USER3 SW)  
    TEXT MEMO SW :TEXT MEMO  
    (USER4 SW)
```

- 5 Turn the jog dial button to change the value.

#### To increase the value:

Turn the jog dial button clockwise, as seen from the front of the camera.

#### To decrease the value:

Turn the jog dial button anti-clockwise, as seen from the front of the camera.

Each turn of the dial switches the value by one step. A quick turn changes the value rapidly; a slow turn makes a fine adjustment.

#### To turn an option on or off:

To select "ON", turn the jog dial button clockwise, as seen from the front of the camera.

To select "OFF", turn the jog dial button anti-clockwise, as seen from the front of the camera.

#### To return the changed set value to the previous one:

To return the changed value to the previous one, press the SHOT MARKER/MENU CANCEL button once while the changed value is flashing and "PUSH CANCEL BACK TO PREV" will appear. Press the SHOT MARKER/MENU CANCEL button again to return the set value to the value before the change.

### ◆ Notes

- The following menu items cannot be canceled using the SHOT MARKER/MENU CANCEL button.
  - Pages on the USER MENU SELECT screen
  - Pages on the FILE screen
  - CAMERA ID
  - Part of the WHITE BALANCE MODE pages
  - BATTERY SETTING1, 2
  - UMID SET/INFO
- In the 1080/23.98P and 1080/24P modes, the menu displayed on the LCD monitor may blink. This is normal, and does not indicate that a fault has occurred.

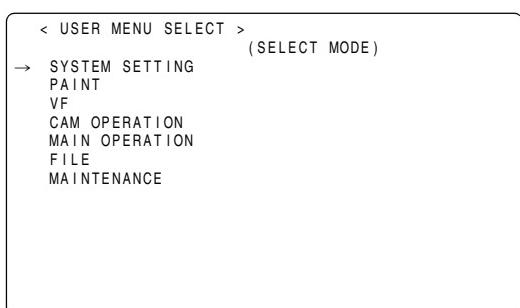
- 6** Press the jog dial button.  
The value stops blinking and is accepted.
- 7** To change the settings for other options on the same page, repeat steps **4 - 6**.
- 8** When the settings are finalized, press the MENU button.  
This terminates the menu option setting mode and returns the unit to normal operation mode.

## Selecting Options for USER MENU

Go to the USER MENU SELECT page from MAIN MENU. Then, open relevant menu screens to select options to add to USER MENU.

Only the selected options are displayed as options in USER MENU.

For information about how to navigate this menu, see [Setting Menu Options] (page 168).



### ◆ Note

Options with [\*] are effective. The number of options that can be added to USER MENU is  $14 \times 3 = 42$  (3 pages of options) for camera-related options, and 14 (1 page of options) for memory-related options. Note, however, that the number of options that can be added is reduced if menu options not normally displayed in the selected mode are added.

# Menu Description Tables

## SYSTEM SETTING

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### SYSTEM MODE

Items/ Data Saved	Adjustable Range	Remarks
SYSTEM MODE	1080-59.94i 1080-23.98PsF 1080-24PsF 1080-50i	For setting the system frequency. When this item is switched, turn off the POWER switch on the unit and then turn it on again. <b>◆Notes</b> <ul style="list-style-type: none"><li>• When USB DEVICE mode is selected, no change can be made to this option.</li><li>• When the remote control unit (AJ-RC10G) is connected, this item is not displayed.</li></ul>
<b>S C U F -</b>		
REC FORMAT		Used to set the codec mode and the recording/shooting mode. <b>DVCPROHD:</b> Recording is performed using DVCPRO HD codec. <b>AVC-I 100:</b> Recording is performed using AVC-Intra100 codec. <b>AVC-I 50:</b> Recording is performed using AVC-Intra50 codec.
	DVCPROHD/60i AVC-I 100/60i AVC-I 100/30PN <u>AVC-I 100/24PN</u> AVC-I 50/60i AVC-I 50/30PN AVC-I 50/24PN	Used when SYSTEM MODE is set to 1080-59.94i. When DVCPROHD/60i is selected, it is possible to refine the shooting mode selection by setting CAMERA MODE.
	AVC-I 100/24PN AVC-I 50/24PN	Used when SYSTEM MODE is set to 1080-23.98PsF or 1080-24PsF.
	DVCPROHD/50i AVC-I 100/50i <u>AVC-I 100/25PN</u> AVC-I 50/50i AVC-I 50/25PN	Used when SYSTEM MODE is set to 1080-50i. When DVCPROHD/50i is selected, it is possible to refine the shooting mode selection by setting CAMERA MODE.
<b>S C U F R</b>		

Items/ Data Saved	Adjustable Range	Remarks
CAMERA MODE	(DVCPROHD/ 60i of 1080- 59.94i) <u>60i</u> 30P 24P 24PA (DVCPROHD/ 50i of 1080-50i) <u>50i</u> 25P (Modes other than the above) <u>24P</u> 25P	When using the DVCPRO HD recording format in the 1080-60i or 1080-50i modes, the pull-down method (conventional camera mode) will be set.
<b>S C U F R</b>		
VFR	OFF ON	This is for setting the variable frame rate. <b>OFF:</b> Operates with a fixed frame number. Operates with a frame rate set using REC FORMAT. <b>ON:</b> Operates with a variable frame rate. Operates with a frame rate set using FRAME RATE. <b>◆Note</b> When INTERVAL REC or LOOP REC is set, this setting is set to "OFF".
<b>S C U F R</b>		
24P VFR RANGE	24FRAME 30FRAME	Select the upper limit of the frame rate that can be changed during VFR. This item is displayed only when "1080-23.98PsF" or "1080-24PsF" is selected in SYSTEM MODE. <b>◆Note</b> Sequence of the HD SDI output signal will be disturbed when this item is set to "30FRAME" and FRAME RATE is set to "24-30FRAME", but this is not a malfunction.
<b>- - - F -</b>		
FRAME RATE	(1080-59.94i, 1080-23.98PsF, 1080-24PsF) 1FRAME : <u>24FRAME</u> : 30FRAME (1080-50i) 1FRAME : <u>25FRAME</u>	This is for setting the shooting frame number during VFR operation. When the mode has been changed using other settings and the frame rate value set here exceeds the maximum frame rate allowed by the set mode, the maximum frame rate is changed to the maximum frame rate of the set mode.
<b>S C U F R</b>		

Items/ Data Saved	Adjustable Range	Remarks
USR SW F.RATE	(1080-59.94i, 1080-23.98PsF, 1080-24PsF) 1FRAME : <u>24FRAME</u> : 30FRAME (1080-50i) 1FRAME : <u>25FRAME</u>	When the FRATE function has been assigned to a user button, the starting frame rate under VFR operation is set. When the mode has been changed using other settings and the frame rate value set here exceeds the maximum frame rate allowed by the set mode, the maximum frame rate is changed to the maximum frame rate of the set mode.
S C U F R		
SCAN REVERSE	ON OFF	This setting is for correcting an image which has been inverted by a film-use lens or anamorphic lens attached to the unit.
S C U F R		
PC MODE SEL	USB HOST USB DEV.	<p>This is for setting the operations mode of this unit when PC MODE is set to "ON" and an external device is connected to the USB connector.</p> <p><b>USB HOST:</b> Allows data transfer from the unit to the USB-connected device.</p> <p><b>USB DEV.:</b> Allows data transfer from the USB-connected device to the unit.</p> <p><b>◆Note</b> When the PC MODE menu option is set to "ON", no change can be made to this option.</p>
- - - F -		
PC MODE	ON OFF	<p>Used to enable or disable the mode that allows the unit to be connected to a PC or an external hard disk drive via USB 2.0.</p> <p><b>ON:</b> Sets the unit to the mode selected through the PC MODE SELECT menu option.</p> <p><b>OFF:</b> Disables the PC MODE for normal operation.</p> <p><b>◆Note</b> Once the power is turned off, the option is always set to "OFF" when the power is turned on next time.</p>
- - - F -		

OPTION MODE		
Items/ Data Saved	Adjustable Range	Remarks
ACCESS LED	OFF SLOT SIDE LCD SIDE BOTH	<p>Specify whether or not to enable the P2 card access LEDs.</p> <p><b>OFF:</b> Disables both LEDs above the slots and on the side panel.</p> <p><b>SLOT SIDE:</b> Enables the LED above the slots and disables the LED on the side panel.</p> <p><b>LCD SIDE:</b> Enables the LED on the side panel and disables the LED above the slots.</p> <p><b>BOTH:</b> Enables both LEDs above the slots and on the side panel.</p>
- C U F -		
P OFF GPS DATA	HOLD CLEAR	<p>Select whether or not to hold the UMID GPS position information while the power is turned off, thereby keeping this information as status data holding the previous value until the power is turned on again, which enables a new measurement to start.</p> <p><b>HOLD:</b> Hold and save the data.</p> <p><b>CLEAR:</b> Clear the data when the power is turned off, and save zero (No-Info) from the next power-on until a new measurement is completed.</p>
- C U F -		
SDI METADATA	ON OFF	Used to specify whether or not to output metadata (UMID) to HD SDI.
- C U F -		
SAVE SW (AUD OUT)	ON OFF	<p>Select whether or not to forcibly disable the audio output when the SAVE ON/OFF switch is set to [ON].</p> <p><b>ON:</b> Disable audio output.</p> <p><b>OFF:</b> Enable audio output.</p>
- C U F -		
SAVE SW (LCD)	ON OFF	<p>Select whether or not to automatically turn off the LCD monitor when the SAVE ON/OFF switch is set to [ON].</p> <p><b>ON:</b> Turn off LCD monitor.</p> <p><b>OFF:</b> Do not turn off LCD monitor.</p>
- C U F -		

## REC FUNCTION

Items/ Data Saved	Adjustable Range	Remarks
INTERVAL REC MODE	ON ONE SHOT OFF	<p>Sets INTERVAL REC function.</p> <p><b>ON:</b> Uses internal memory to perform interval recording.</p> <p><b>ONE SHOT:</b> Performs "one-shot" recording for the duration specified under REC TIME, and then stops.</p> <p><b>OFF:</b> INTERVAL REC is not performed.</p> <p>◆Note This item cannot be changed when "ON" is selected in LOOP REC MODE.</p>
- C U F -		
INTERVAL REC HOLD	ON OFF	<p>Selects whether INTERVAL REC MODE settings are retained or not when the power is turned off once.</p> <p><b>ON:</b> Retain</p> <p><b>OFF:</b> Do not retain. The INTERVAL REC MODE is "OFF" whenever the power is turned on again.</p>
- C U F -		
REC TIME*	00s01f : 59s29f	<p>Set recording time for INTERVAL REC (1 cut).</p> <p>◆Note However the settings can be made frame by frame, and the numbers of the cut-off unit frames for the shortest time period and the set time on the actual operation may vary with the recording method. For details, refer to [Interval Recording] (page 44).</p>
- C U F -		
PAUSE TIME*	00h00m00s01f : 00h04m59s23f : 23h59m59s29f	<p>Specify pause time for INTERVAL REC.</p> <p>◆Note However the settings can be made frame by frame, and the numbers of the cut-off unit frames for the shortest time period and the set time on the actual operation may vary with the recording method. For details, refer to [Interval Recording] (page 44).</p>
- C U F -		
TAKE TOTAL TIME	NONE : 5day	<p>Specify the time needed for INTERVAL REC.</p> <p>Select from "NONE" (continue until operation is manually stopped) to 5 days.</p>
- C U F -		
TOTAL REC TIME*	NONE 00m00s01f : 99m59s29f OVER100min	<p>Display total recorded time for INTERVAL REC. The setting cannot be changed using this option. Displays the recording time (recording time needed for the P2 card) calculated using REC TIME, PAUSE TIME, and TAKE TOTAL TIME.</p> <p>◆Note A value based on actual processing is displayed.</p>
- - - - -		
AUDIO REC	ON OFF	Select whether or not sound will be recorded during INTERVAL REC.
- C U F -		
START DELAY	0SEC : 10SEC	Set the delay after pressing REC START to start recording in INTERVAL REC.
- C U F -		

\* This variable range is the numerical values for 59.94 Hz. For 50 Hz, the frame rate is up to 24f. The frame rate is up to 23f in 24PN (Native) mode.

Items/ Data Saved	Adjustable Range	Remarks
PRE REC MODE	ON OFF	<p>Select whether or not to enable PRE RECORDING.</p> <p><b>ON:</b> PRE RECORDING enabled.</p> <p><b>OFF:</b> PRE RECORDING disabled.</p> <p>◆Note Specify the PRE RECORDING time by using the menu option PRE REC TIME.</p>
- C U F -		
PRE REC TIME	1SEC : 8SEC	<p>Set PRE RECORDING.</p> <p><b>1-8SEC:</b> Set the length of time that can be retrospectively recorded before the REC START button is pressed.</p>
- C U F -		
LOOP REC MODE	ON OFF	<p>Select whether or not to enable LOOP REC.</p> <p>This setting can be used with PRE RECORDING features.</p> <p><b>ON:</b> Enable LOOP REC.</p> <p><b>OFF:</b> Disable LOOP REC.</p> <p>◆Notes  <ul style="list-style-type: none"> <li>After the power is turned off, this item will default to "OFF" the next time the power is turned on.</li> <li>This item cannot be changed when "ON" or "ONE SHOT" is selected in INTERVAL REC MODE.</li> </ul> </p>
- - - F -		
REC START	ALL NORMAL	<p>Select operating modes that allow recording to start.</p> <p><b>ALL:</b> Allow recording to start during stop, recording pause, and playback.</p> <p><b>NORMAL:</b> Allow recording to start during stop and recording pause.</p> <p>◆Note Even if this is set to "ALL", the operation is "NORMAL", when "ON" or "ONE SHOT" is selected in INTERVAL REC MODE.</p>
- C U F -		
P.ON REC SLOT SEL	HOLD SLOT1	<p>Select the recording order of the slot when the power is turned on.</p> <p><b>HOLD:</b> The recording order starts with the card previously selected when the power was turned off.</p> <p><b>SLOT1:</b> The recording order starts with the card that is inserted in slot 1 when the power is turned on.</p>
- C U F -		

### ◆ Note

Displayed REC TIME, PAUSE TIME and TOTAL REC TIME are translated into either drop-frame or non-drop-frame according to the mode of operation.

TAKE TOTAL TIME is actual time. Therefore, TOTAL REC TIME may incorporate fractions, depending on the settings.

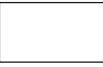
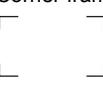
### Example of drop-frame

REC TIME	02s00f
PAUSE TIME	02s00f
TAKE TOTAL TIME	40min
TOTAL REC TIME	19m59s06f

## OUTPUT SEL

Items/ Data Saved	Adjustable Range	Remarks	Items/ Data Saved	Adjustable Range	Remarks
SIGNAL FORMAT	4:2:2 4:4:4	Select the signal that is output from the HD SDI A · B connectors. <b>4:2:2:</b> YPBPR 4:2:2 format is selected. <b>4:4:4:</b> RGB 4:4:4 format is selected. LINK A will be output from the HD SDI A connector, and LINK B from the HD SDI B connector.	MONITOR OUT	VBS HD SDI	Select the output signal on the MON OUT connector.
-   C   U   F   -			-   C   U   F   -		
P-10LOG	ON OFF	<b>ON:</b> P-10LOG format signal is output. This is valid when GAMMA MODE SEL is set to "FILM-REC", and SIGNAL FORMAT is set to "4:4:4". <b>OFF:</b> Signal format set in GAMMA MODE SEL is output. <b>◆Note</b> If you select "ON" in this item, 2D-CMS will operate simultaneously as well.	MONITOR GAMMA	ON OFF	This sets whether to perform telecine conversion correction on the MON OUT, RC OUT, and LCD OUT signals when GAMMA MODE SEL is set to "FILM-REC". <b>ON:</b> Correction is performed. <b>OFF:</b> Correction is not performed.
-   C   U   F   -			-   C   U   F   -		
OUTPUT ITEM	MENU ONLY TC STATUS	Set the character contents superimposed onto the output signals for the HD SDI A · B connector and MON OUT connector. <b>MENU ONLY:</b> Displays only when the menu characters are superimposed. No display appears when other characters are superimposed. <b>TC:</b> Display the time code. (Displays the menu when menu characters are superimposed.) Note that when 1080/23.98PsF or 1080/24PsF has been selected in the SYSTEM MODE menu option, the frame digits will not be updated correctly. <b>STATUS:</b> Display the same characters superimposed on the viewfinder signal. (Displays the menu when menu characters are superimposed.)	VF/LCD CHAR	VF-OFF LCD-OFF ON	This sets whether to superimpose characters on the video shown on the LCD monitor and in the viewfinder. Note, however, that the characters are output to one of the MON OUT, VF OUT and LCD OUT signals.
-   C   U   F   -			-   C   U   F   -		
HD SDI A · B CHAR	OFF A B BOTH	Select whether to superimpose characters on the HD SDI A · B connector. (The character content output from the HD SDI A · B and MON OUT connectors is the same.) <b>OFF:</b> The characters are not superimposed. <b>A:</b> The characters are superimposed on the HD SDI A connector. <b>B:</b> The characters are superimposed on the HD SDI B connector. <b>BOTH:</b> The characters are superimposed on the HD SDI A connector and the HD SDI B connector.	VF MODE	MEM CAM	Select the image to display in the viewfinder. <b>MEM:</b> Display the playback image in the playback mode. Display the camera image at other times. <b>CAM:</b> Always display the camera image.
-   C   U   F   -			-   C   U   F   -		
HD SDI A · B CHAR	OFF A B BOTH		VF SEL	MONO COLOR	Select the video signal that is output to the viewfinder connector. <b>MONO:</b> Output the Y signal alone to the viewfinder connector. <b>COLOR:</b> Output the Y, Pb, and Pr signals to the viewfinder connector.
-   C   U   F   -			-   C   U   F   -		
HD SDI A · B CHAR	OFF A B BOTH		THUMBNAIL OUT	ON OFF	Select whether or not to output clip thumbnails displayed on the LCD monitor to the MON OUT (VBS) signal and the REMOTE connector. <b>ON:</b> Enable output. <b>OFF:</b> Disable output. <b>◆Note</b> Even when the MON OUT OUTPUT SEL switch is in the [CAM] position, thumbnails are output when this option is set to "ON".
-   C   U   F   -			-   C   U   F   -		
HD SDI A · B CHAR	OFF A B BOTH		DOWNCON MODE	SQUEEZE LT-BOX	For setting the mode of the down converter output signals.
-   C   U   F   -			-   C   U   F   -		

## HD SDI A · B OUT MARKER

Items/ Data Saved	Adjustable Range	Remarks
MARKER SW	OFF A B BOTH	<p>Switches the marker on and off.</p> <p><b>OFF:</b> The characters are not superimposed.</p> <p><b>A:</b> The characters are superimposed on the HD SDI A connector.</p> <p><b>B:</b> The characters are superimposed on the HD SDI B connector.</p> <p><b>BOTH:</b> The characters are superimposed on the HD SDI A connector and the HD SDI B connector.</p>
	- C U F R	
CENTER MARK	OFF 1 2 3 4	<p>Switch the center mark.</p> <p><b>OFF:</b> Do not display center mark.</p> <p><b>1:</b> + (large)</p> <p><b>2:</b> Hollow (large)</p> <p><b>3:</b> + (small)</p> <p><b>4:</b> Hollow (small)</p>
	- C U F R	
SAFETY MARK	OFF 1 2	<p>Select the frame type for the safety zone.</p> <p><b>OFF:</b> Do not display frame.</p> <p><b>1:</b> Box </p> <p><b>2:</b> Corner frame </p>
	- C U F R	
SAFETY AREA	80% : 90% : 100%	For setting the size of the safety marker. It is possible to set the size by units of 1% with a fixed ratio between width and height.
	- C U F R	
FRAME MARK	ON OFF	Set the frame marker to "ON" or "OFF".
	- C U F R	

Items/ Data Saved	Adjustable Range	Remarks
FRAME SIG	4:3 13:9 14:9 VISTA CNSCO	<p>Set the frame marker.</p> <p>The VISTA ratio is 16:8.65.</p> <p>The CNSCO ratio is 16:6.81.</p>
	- C U F R	
USER BOX	ON OFF	For setting whether to include the user box in the signal from the HD SDI A · B connector.
	- C U F R	
USER BOX WIDTH	1 : 13 : 100	For setting the width of the user box.
	- C U F R	
USER BOX HEIGHT	1 : 13 : 100	For setting the height of the user box.
	- C U F R	
USER BOX H POS	-50 : +00 : +50	For setting the horizontal position of the user box center.
	- C U F R	
USER BOX V POS	-50 : +00 : +50	For setting the vertical position of the user box center.
	- C U F R	

## MONI OUT MARKER

Items/ Data Saved	Adjustable Range	Remarks
CENTER MARK	OFF 1 2 3 4	Switch the center mark. <b>OFF:</b> Do not display center mark. <b>1:</b> + (large) <b>2:</b> Hollow (large) <b>3:</b> + (small) <b>4:</b> Hollow (small)
- C U F R		
SAFETY MARK	OFF 1 2	Select the frame type for the safety zone. <b>OFF:</b> Do not display frame. <b>1:</b> Box  <b>2:</b> Corner frame 
- C U F R		
SAFETY AREA	80% : 90% : 100%	For setting the size of the safety marker. It is possible to set the size by units of 1% with a fixed ratio between width and height.
- C U F R		
FRAME MARK	ON OFF	Set the frame marker to "ON" or "OFF".
- C U F R		
FRAME SIG	4:3 13:9 14:9 VISTA CNSCO	Set the frame marker. The VISTA ratio is 16:8.65. The CNSCO ratio is 16:6.81.
- C U F R		
USER BOX	ON OFF	For setting whether to include the user box in the signal from the MON OUT connector.
- C U F R		
USER BOX WIDTH	1 : 13 : 100	For setting the width of the user box.
- C U F R		
USER BOX HEIGHT	1 : 13 : 100	For setting the height of the user box.
- C U F R		
USER BOX H POS	-50 : +00 : +50	For setting the horizontal position of the user box center.
- C U F R		
USER BOX V POS	-50 : +00 : +50	For setting the vertical position of the user box center.
- C U F R		

## LCD MONITOR

Items/ Data Saved	Adjustable Range	Remarks
BRIGHTNESS	-7 : +0 : +7	Adjust the LCD monitor brightness.
- C U F -		
COLOR LEVEL	-7 : +0 : +7	Adjust the LCD monitor chroma level.
- C U F -		
CONTRAST	-7 : +0 : +7	Adjust the LCD monitor contrast.
- C U F -		
BACKLIGHT	<u>NORMAL</u> HIGH	Adjust the backlight. <b>NORMAL:</b> Mode normally used <b>HIGH:</b> This is brighter than NORMAL.
- C U F -		
SELF SHOOT	<u>NORMAL</u> MIRROR	Select whether or not to change the LCD monitor to mirror image. <b>NORMAL:</b> Do not change to mirror image. <b>MIRROR:</b> Change to mirror image.
- C U F -		

## GENLOCK

Items/ Data Saved	Adjustable Range	Remarks					
GENLOCK	INT EXT	<p>Switch the camera synchronizing signal.</p> <p><b>INT:</b> Synchronize with the internal reference signal regardless of the reference signal input to the GENLOCK IN connector.</p> <p><b>EXT:</b> Synchronize with the reference signal input to the GENLOCK IN connector.</p>					
- C U F R							
GL PHASE	HD SDI COMPOSIT	<p>For selecting the output signals that lock phases to the signals that are input in the GENLOCK IN connector. Note, however, that in 1080/23.98PsF mode and 1080/24PsF mode, the phase is locked to HD SDI even if "COMPOSIT" has been selected.</p> <p><b>HD SDI:</b> For locking the HD SDI output signals to the GENLOCK input. For the down converter output signals, the start position of the video delays by about 90 lines.</p> <p><b>COMPOSIT:</b> For locking the down converter output signals to the GENLOCK input. For the HD SDI output signals, the start position of the video gains by about 90 lines.</p>					
- C U F R							
H PHASE COARSE	<table border="0"> <tr><td>-100</td></tr> <tr><td>:</td></tr> <tr><td>+000</td></tr> <tr><td>:</td></tr> <tr><td>+100</td></tr> </table>	-100	:	+000	:	+100	Perform coarse phase adjustment for horizontal hold when configuring a system.
-100							
:							
+000							
:							
+100							
- - - - -							
H PHASE FINE	<table border="0"> <tr><td>-100</td></tr> <tr><td>:</td></tr> <tr><td>+000</td></tr> <tr><td>:</td></tr> <tr><td>+100</td></tr> </table>	-100	:	+000	:	+100	Perform fine phase adjustment for horizontal hold when configuring a system.
-100							
:							
+000							
:							
+100							
- - - - -							

## PAINT

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### RB GAIN CONTROL

Items/ Data Saved	Adjustable Range	Remarks
R GAIN AWB PRE*	-200 : <u>+000</u> : +200	For setting the Rch gain when the WHITE BAL switch is in the [PRST] position.
S   C   U   F   R		
B GAIN AWB PRE*	-200 : <u>+000</u> : +200	For setting the Bch gain when the WHITE BAL switch is in the [PRST] position.
S   C   U   F   R		
R GAIN AWB A*	-200 : <u>+000</u> : +200	For setting the Rch gain when the WHITE BAL switch is in the [A] position.
S   C   U   F   R		
B GAIN AWB A*	-200 : <u>+000</u> : +200	For setting the Bch gain when the WHITE BAL switch is in the [A] position.
S   C   U   F   R		
R GAIN AWB B*	-200 : <u>+000</u> : +200	For setting the Rch gain when the WHITE BAL switch is in the [B] position.
S   C   U   F   R		
B GAIN AWB B*	-200 : <u>+000</u> : +200	For setting the Bch gain when the WHITE BAL switch is in the [B] position.
S   C   U   F   R		
AWB A GAIN OFFSET*	ON OFF	For setting the values of the Rch gain and the Bch gain when the auto white balance is executed as the WHITE BAL switch is in the [A] position. <b>ON:</b> To retain the values set in the items of R GAIN AWB A and B GAIN AWB A <b>OFF:</b> The values of the Rch gain and the Bch gain is set to "0".
S   C   U   F   R		
AWB B GAIN OFFSET*	ON OFF	For setting the values of the Rch gain and the Bch gain when the auto white balance is executed as the WHITE BAL switch is in the [B] position. <b>ON:</b> To retain the values set in the items of R GAIN AWB B and B GAIN AWB B <b>OFF:</b> The values of the Rch gain and the Bch gain is set to "0".
S   C   U   F   R		

### RGB BLACK CONTROL

Items/ Data Saved	Adjustable Range	Remarks
MASTER PED*	-200 : <u>+000</u> : +200	For setting the level of the master pedestal.
S   C   U   F   R		
R PEDESTAL*	-100 : <u>+000</u> : +100	For setting the pedestal level of the Rch.
S   C   U   F   R		
G PEDESTAL*	-100 : <u>+000</u> : +100	For setting the pedestal level of the Gch.
S   C   U   F   R		
B PEDESTAL*	-100 : <u>+000</u> : +100	For setting the pedestal level of the Bch.
S   C   U   F   R		
PEDESTAL OFFSET*	ON OFF	For setting the pedestal levels of the Rch, the Gch and the Bch when the auto black balance is adjusted. <b>ON:</b> To retain the values set in the respective items of R PEDESTAL, G PEDESTAL, and B PEDESTAL <b>OFF:</b> The pedestal levels of the Rch, the Gch and the Bch are set to "0".
S   C   U   F   -		
R FLARE*	-100 : <u>+000</u> : +100	For adjusting the flare level of the Rch. Adjustment values in this item are added to the flare adjustment value that is adjusted on <LENS FILE ADJ> screen.
S   C   U   F   R		
G FLARE*	-100 : <u>+000</u> : +100	For adjusting the flare level of the Gch. Adjustment values in this item are added to the flare adjustment value that is adjusted on <LENS FILE ADJ> screen.
S   C   U   F   R		
B FLARE*	-100 : <u>+000</u> : +100	For adjusting the flare level of the Bch. Adjustment values in this item are added to the flare adjustment value that is adjusted on <LENS FILE ADJ> screen.
S   C   U   F   R		

\* If the remote control unit is connected, settings made from the menu are disabled. (The set value is displayed.)

## MATRIX

## COLOR CORRECTION

Items/ Data Saved	Adjustable Range	Remarks
■ MATRIX TABLE	A B	For selecting the color correction table for the linear matrix.
S C U F R		
MATRIX R-G	-63 : +31 : +63	For performing the linear matrix adjustment. (red/green)
S C U F R		
MATRIX R-B	-63 : -04 : +63	For performing the linear matrix adjustment. (red/blue)
S C U F R		
MATRIX G-R	-63 : -01 : +63	For performing the linear matrix adjustment. (green/red)
S C U F R		
MATRIX G-B	-63 : +04 : +63	For performing the linear matrix adjustment. (green/blue)
S C U F R		
MATRIX B-R	-63 : +01 : +63	For performing the linear matrix adjustment. (blue/red)
S C U F R		
MATRIX B-G	-63 : -01 : +63	For performing the linear matrix adjustment. (blue/green)
S C U F R		
■L MATRIX TABLE	OFF A B	For selecting the color correction table when the GAIN switch is in the [L] position.
S C U F R		
■M MATRIX TABLE	OFF A B	For selecting the color correction table when the GAIN switch is in the [M] position.
S C U F -		
■H MATRIX TABLE	OFF A B	For selecting the color correction table when the GAIN switch is in the [H] position.
S C U F -		

## ◆ Notes

- The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.  
Please refer to [SD CARD R/W SELECT] (page 201) for more information.
- In the preset mode, the linear matrix data of MATRIX TABLE B are all set to "+00".

Items/ Data Saved	Adjustable Range	Remarks
R (SAT)	-63 : +00 : +63	For performing the color saturation correction of red.
S C U F R		
R-Mg (SAT)	-63 : +00 : +63	For performing the color saturation correction between red and magenta.
S C U F R		
Mg (SAT)	-63 : +00 : +63	For performing the color saturation correction of magenta.
S C U F R		
Mg-B (SAT)	-63 : +00 : +63	For performing the color saturation correction between magenta and blue.
S C U F R		
B (SAT)	-63 : +00 : +63	For performing the color saturation correction of blue.
S C U F R		
B-Cy (SAT)	-63 : +00 : +63	For performing the color saturation correction between blue and cyan.
S C U F R		
Cy (SAT)	-63 : +00 : +63	For performing the color saturation correction of cyan.
S C U F R		
Cy-G (SAT)	-63 : +00 : +63	For performing the color saturation correction between cyan and green.
S C U F R		
G (SAT)	-63 : +00 : +63	For performing the color saturation correction of green.
S C U F R		
G-YI (SAT)	-63 : +00 : +63	For performing the color saturation correction between green and yellow.
S C U F R		
YI (SAT)	-63 : +00 : +63	For performing the color saturation correction of yellow.
S C U F R		
YI-R (SAT)	-63 : +00 : +63	For performing the color saturation correction between yellow and red.
S C U F R		

Items/ Data Saved	Adjustable Range	Remarks
R (PHASE)	-63 : +00 : +63	For performing the hue correction for red.
S C U F R		
R-Mg (PHASE)	-63 : +00 : +63	For performing the hue correction between red and magenta.
S C U F R		
Mg (PHASE)	-63 : +00 : +63	For performing the hue correction for magenta.
S C U F R		
Mg-B (PHASE)	-63 : +00 : +63	For performing the hue correction between magenta and blue.
S C U F R		
B (PHASE)	-63 : +00 : +63	For performing the hue correction for blue.
S C U F R		
B-Cy (PHASE)	-63 : +00 : +63	For performing the hue correction between blue and cyan.
S C U F R		
Cy (PHASE)	-63 : +00 : +63	For performing the hue correction for cyan.
S C U F R		
Cy-G (PHASE)	-63 : +00 : +63	For performing the hue correction between cyan and green.
S C U F R		
G (PHASE)	-63 : +00 : +63	For performing the hue correction for green.
S C U F R		
G-YI (PHASE)	-63 : +00 : +63	For performing the hue correction between green and yellow.
S C U F R		
YI (PHASE)	-63 : +00 : +63	For performing the hue correction for yellow.
S C U F R		
YI-R (PHASE)	-63 : +00 : +63	For performing the hue correction between yellow and red.
S C U F R		
■COLOR CORRECT	ON OFF	For switching on/off of the 12-axis independent color correction of the position selected with the GAIN switch ([L], [M], [H]).
S C U F R		

## LOW SETTING

Items/ Data Saved	Adjustable Range	Remarks
■MASTER GAIN	-3dB : 0dB : 30dB	Select the master gain from -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, or 30 dB.
S C U F R		
H.DTL LEVEL	00 : 10 : 63	For performing the horizontal detail correction level setting.
S C U F R		
V.DTL LEVEL	00 : 15 : 31	For performing the vertical detail correction level setting.
S C U F R		
DTL CORING	00 : 04 : 60	For performing the noise elimination level setting for detail.
S C U F R		
H.DTL FREQ.	00 : 18 : 31	For performing the horizontal detail frequency selection.
S C U F R		
LEVEL DEPEND.	0 1 5	For setting the LEVEL DEPEND. When the Y-detail is emphasized, details of dark sections are compressed. If the numerical value is larger, details of bright sections are also compressed.
S C U F R		
MASTER GAMMA	0.30 : 0.45 : 0.75	For setting the master gamma. (0.01 step)
S C U F R		
BLACK GAMMA	-8 : OFF : +8	For setting the gamma curve for the dark portion. -8 to -1: The dark portion is compressed. OFF: Standard state +1 to +8: The dark portion is extended.
S C U F R		
B.GAMMA RANGE	1 2 3	For setting the upper limit of compression/expansion. 1: Approximately 20% 2: Approximately 30% 3: Approximately 40%
S C U F R		
■MATRIX TABLE	OFF A B	For selecting the color correction table for the linear matrix.
S C U F R		
■COLOR CORRECT	ON OFF	For switching on/off of the 12-axis independent color correction.
S C U F R		

## ◆Notes

- The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W. Please refer to [SD CARD R/W SELECT] (page 201) for more information.

- When shooting with the MASTER GAIN set to “-3dB”, coloring phenomena may occur in portions of the video with high brightness.  
The coloring phenomena can be reduced by switching the OUTPUT/AUTO KNEE switch to [CAM/AUTO KNEE OFF], setting the MANUAL KNEE menu option of the <KNEE/LEVEL> screen to “ON”, and then changing the following menu options.
  - When “HD”, “SD”, “FILMLIKE1”, “FILMLIKE2” or “FILMLIKE3” has been selected in the GAMMA MODE SEL menu option of the <GAMMA> screen, reduce the value in the KNEE MASTER SLOPE menu option of the <KNEE/LEVEL> screen.
  - When “FILM-REC” has been selected in the GAMMA MODE SEL menu option of the <GAMMA> screen, reduce the value in the F-REC DYNAMIC LVL menu option of the <GAMMA> screen.
  - When “VIDEO-REC” has been selected in the GAMMA MODE SEL menu option of the <GAMMA> screen, reduce the value in the V-REC KNEE SLOPE menu option of the <GAMMA> screen.

## MID SETTING

Items/ Data Saved	Adjustable Range	Remarks
■MASTER GAIN	-3dB : 3dB : 30dB	Select the master gain from -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, or 30 dB.
S C U F -		
H.DTL LEVEL	00 : 08 : 63	For performing the horizontal detail correction level setting.
S C U F -		
V.DTL LEVEL	00 : 12 : 31	For performing the vertical detail correction level setting.
S C U F -		
DTL CORING	00 : 12 : 60	For performing the noise elimination level setting for detail.
S C U F -		
H.DTL FREQ.	00 : 18 : 31	For performing the horizontal detail frequency selection.
S C U F -		
LEVEL DEPEND.	0 1 : 5	For setting the LEVEL DEPEND. When the Y-detail is emphasized, details of dark sections are compressed. If the numerical value is larger, details of bright sections are also compressed.
S C U F -		
MASTER GAMMA	0.30 : 0.45 : 0.75	For setting the master gamma. (0.01 step)
S C U F -		
BLACK GAMMA	-8 : OFF : +8	For setting the gamma curve for the dark portion. <b>-8 to -1:</b> The dark portion is compressed. <b>OFF:</b> Standard state <b>+1 to +8:</b> The dark portion is extended.
S C U F -		
B.GAMMA RANGE	1 2 3	For setting the upper limit of compression/expansion. <b>1:</b> Approximately 20% <b>2:</b> Approximately 30% <b>3:</b> Approximately 40%
S C U F R		
■MATRIX TABLE	OFF A B	For selecting the color correction table for the linear matrix.
S C U F -		
■COLOR CORRECT	ON OFF	For switching on/off of the 12-axis independent color correction.
S C U F -		

## HIGH SETTING

Items/ Data Saved	Adjustable Range	Remarks
■MASTER GAIN	-3dB : 6dB : 30dB	Select the master gain from -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, or 30 dB.
S C U F -		
H.DTL LEVEL	00 : 06 : 63	For performing the horizontal detail correction level setting.
S C U F -		
V.DTL LEVEL	00 : 10 : 31	For performing the vertical detail correction level setting.
S C U F -		
DTL CORING	00 : 12 : 60	For performing the noise elimination level setting for detail.
S C U F -		
H.DTL FREQ.	00 : 18 : 31	For performing the horizontal detail frequency selection.
S C U F -		
LEVEL DEPEND.	0 : 3 : 5	For setting the LEVEL DEPEND. When the Y-detail is emphasized, details of dark sections are compressed. If the numerical value is larger, details of bright sections are also compressed.
S C U F -		
MASTER GAMMA	0.30 : 0.45 : 0.75	For setting the master gamma. (0.01 step)
S C U F -		
BLACK GAMMA	-8 : OFF : +8	For setting the gamma curve for the dark portion. <b>-8 to -1:</b> The dark portion is compressed. <b>OFF:</b> Standard state <b>+1 to +8:</b> The dark portion is extended.
S C U F -		
B.GAMMA RANGE	1 2 3	For setting the upper limit of compression/expansion. <b>1:</b> Approximately 20% <b>2:</b> Approximately 30% <b>3:</b> Approximately 40%
S C U F R		
■MATRIX TABLE	OFF A B	For selecting the color correction table for the linear matrix.
S C U F -		
■COLOR CORRECT	ON OFF	For switching on/off of the 12-axis independent color correction.
S C U F -		

### ◆Note

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.

Please refer to [SD CARD R/W SELECT] (page 201) for more information.

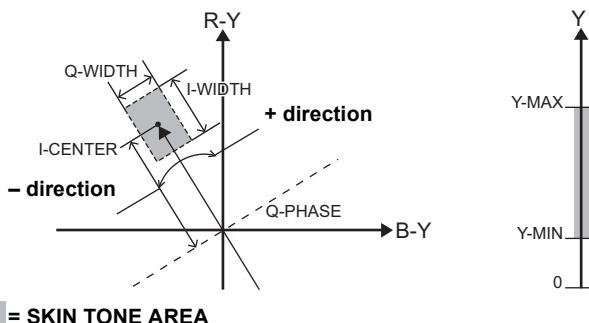
## ADDITIONAL DTL

Items/ Data Saved	Adjustable Range	Remarks
KNEE APE LVL	OFF 1 : 5	For changing the detail level of the high brightness portion.
S C U F R		
DTL GAIN(+)	-31 : +00 : +31	Adjust the detail level toward + (upwards).
S C U F R		
DTL GAIN(-)	-31 : +00 : +31	Adjust the detail level toward the - (downwards).
S C U F R		
DTL CLIP	00 : 63	For setting the level for clipping the detail signals.
S C U F R		
DTL SOURCE	(R+G)/2 (G+B)/2 2G+R+B /4 (3G+R)/4 R G	For setting the proportion of the RGB signal components that provide the detail.
S C U F R		
MASTER DTL	-31 : +00 : +31	For revising the master detail level.
S C U F R		

## SKIN TONE DTL

Items/ Data Saved	Adjustable Range	Remarks
■SKIN TONE DTL	OFF A B AB	For selecting the skin color table for enabling the skin tone detail. The skin color table is provided in the DETECT TABLE item. By enabling the skin tone detail, it is possible to shoot human skin more accurately.
S C U F R		
■ZEBRA VF	ON OFF	For the setting to display the zebra pattern in the skin tone area displayed in the viewfinder screen. The zebra pattern is displayed when this item is turned "ON" and the <SKIN TONE DTL> screen is opened. The zebra pattern indicates the area which is selected in the SKIN TONE DTL item.
S C U F R		
■ZEBRA HD SDI A	ON OFF	For setting to include the skin tone zebra in the HD SDI A signal. The zebra pattern is displayed when this item is turned "ON" and the <SKIN TONE DTL> screen is opened. The zebra pattern indicates the area which is selected in the SKIN TONE DTL item.
S C U F R		
■ZEBRA HD SDI B	ON OFF	For setting to include the skin tone zebra in the HD SDI B signal. The zebra pattern is displayed when this item is turned "ON" and the <SKIN TONE DTL> screen is opened. The zebra pattern indicates the area which is selected in the SKIN TONE DTL item.
S C U F R		
■ZEBRA MONI	ON OFF	For setting to include the skin tone zebra in the MON OUT signal. The zebra pattern is displayed when this item is turned "ON" and the <SKIN TONE DTL> screen is opened. The zebra pattern indicates the area which is selected in the SKIN TONE DTL item.
S C U F R		
DETECT TABLE	A B	For selecting the skin color table for subjects to which the skin tone table applies.
S C U F R		
Skin TONE GET		For fetching the color information of "A" or "B", which is selected in the DETECT TABLE item, near the center marker. When this function is executed, data from I CENTER to Q PHASE are fetched automatically. The fetched data will be the table data of "A" or "B", which is selected in the DETECT TABLE item. It is impossible to obtain color information of both "A" and "B" at the same time.
— — — — —		
Skin DTL EFFECT	0 : 16 : 31	For setting the effect level of the skin tone detail.
S C U F R		

Items/ Data Saved	Adjustable Range	Remarks
Y MAX	000 : 190 : 255	For setting the maximum value of brightness for enabling the skin tone.
S C U F R		
Y MIN	000 : 010 : 255	For setting the minimum value of brightness for enabling the skin tone.
S C U F R		
I CENTER	000 : 035 : 255	For setting the center position on the I-axis (for setting an area that enables skin tone).
S C U F R		
I WIDTH	000 : 055 : 255	For setting the area width for enabling the skin tone on the I-axis of which the center is the I CENTER.
S C U F R		
Q WIDTH	00 : 10 : 90	For setting the area width for enabling the skin tone on the Q-axis of which the center is the I CENTER.
S C U F R		
Q PHASE	-180 : +000 : +179	For setting phases of the area for enabling skin tone as setting the standard to the Q-axis.
S C U F R		



### ◆ Note

The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W.  
Please refer to [SD CARD R/W SELECT] (page 201) for more information.

## KNEE/LEVEL

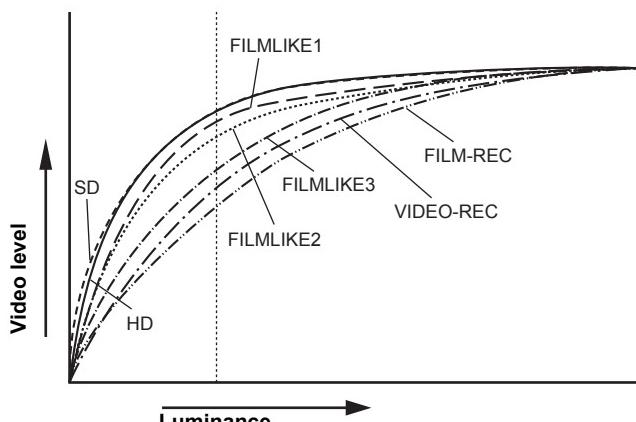
Items/ Data Saved	Adjustable Range	Remarks
MASTER PED	-200 : <u>+000</u> : +200	Set the master pedestal.
S C U F R		
■MANUAL KNEE	ON OFF	Set the mode when the AUTO KNEE switch is [OFF]. The KNEE MASTER POINT/KNEE MASTER SLOPE set value is enabled when this setting is "ON".
S C U F R		
KNEE MASTER POINT	70.0% : <u>93.0%</u> : 107.0%	For setting the knee point position in increments of 0.5% steps.
S C U F R		
KNEE MASTER SLOPE	00 : <u>85</u> : 99	For setting the inclination of the knee.
S C U F R		
■WHITE CLIP	ON OFF	Set the WHITE CLIP feature to "ON" or "OFF". The WHITE CLIP LVL set value is enabled when this setting is "ON".
S C U F R		
WHITE CLIP LVL	90% : <u>109%</u>	Set WHITE CLIP level.
S C U F R		
A.KNEE POINT	80% : <u>93%</u> : 107%	Set the AUTO KNEE point position in 1% steps. This setting is enabled when the OUTPUT/AUTO KNEE selector switch is set to [CAM/AUTO KNEE ON].
S C U F R		
A.KNEE LVL	100 : <u>107</u> : 109	Set the AUTO KNEE level.
S C U F R		
A.KNEE RESPONSE	1 : <u>4</u> : 8	Set the AUTO KNEE response speed. The smaller the setting value, the faster the response speed.
S C U F R		
CHROMA LEVEL	OFF -99% : <u>+00%</u> : +40%	For setting the chroma level of the PR signals and the Pb signals. If this is set to "OFF", the color elements of video signals are eliminated.
S C U F R		
DRS EFFECT DEPTH	1 2 3	Set the compression level of the high-brightness component of DRS. If the numerical value is larger, the compression level of the high-brightness component increases.
S C U F R		
■HI-COLOR SW	ON OFF	For switching the mode on/off which enables the dynamic color range to be expanded.
S C U F R		
HI-COLOR LVL	1 : <u>32</u>	For selecting the level of the dynamic color range when in the mode which allows expansion of the dynamic color range.
S C U F R		

### ◆Notes

- The items indicated by ■ are the setting items for PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen. The items without ■ are the setting items for PAINT MENU LEVEL R/W. Please refer to [SD CARD R/W SELECT] (page 201) for more information.
- When "FILM-REC" or "VIDEO-REC" is selected in the GAMMA MODE SEL menu option on the <GAMMA> screen, the KNEE MASTER SLOPE and KNEE MASTER POINT menu option settings are disabled.

## GAMMA

Items/ Data Saved	Adjustable Range	Remarks
MASTER GAMMA	0.30 : <u>0.45</u> : 0.75	Set the master gamma in 0.01 steps.
S C U F R		
R GAMMA	-15 : +00 : +15	Set the Rch gamma.
S C U F R		
B GAMMA	-15 : +00 : +15	Set the Bch gamma.
S C U F R		
GAMMA MODE SEL	HD SD FILMLIKE1 FILMLIKE2 FILMLIKE3 FILM-REC VIDEO-REC	<p>For selecting the gamma mode.</p> <p><b>HD:</b> Video gamma characteristics for HD (High Definition)</p> <p><b>SD:</b> The gain in the dark section is higher than the HD gamma.</p> <p><b>FILMLIKE1:</b> In this setting gradations in highlight areas can be expressed better than the HD gamma.</p> <p><b>FILMLIKE2:</b> In this setting gradations in highlight areas can be expressed better than when FILMLIKE1 is selected.</p> <p><b>FILMLIKE3:</b> In this setting gradations in highlight areas can be expressed better than when FILMLIKE2 is selected.</p> <p><b>FILM-REC:</b> The cinema gamma characteristics for film applications.</p> <p><b>VIDEO-REC:</b> The cinema gamma characteristics for video applications.</p>
S C U F R		



- When the GAMMA MODE SEL item is used for FILMLIKE3, the following settings are recommended.
  - MANUAL KNEE: "ON"
  - KNEE MASTER POINT: "85.0%"
  - KNEE MASTER SLOPE: "50"
- AUTO KNEE is not performed when the GAMMA MODE SEL menu option is set to "FILM-REC" or "VIDEO-REC".

AUTO KNEE is not performed when AJ-RC10G is connected, but the LED of the AJ-RC10G button is lit by pressing the A.KNEE ON button.

Items/ Data Saved	Adjustable Range	Remarks
F-REC DYNAMIC LVL	200% 300% 400% 500% 600%	For setting the dynamic range when GAMMA MODE SEL has been set to "FILM-REC". When GAMMA MODE SEL has not been set to "FILM-REC", this setting cannot be changed.
S C U F R		
F-REC BLACK STR LVL	00% : 30%	For setting the amount of black stretch when GAMMA MODE SEL has been set to "FILM-REC". When GAMMA MODE SEL has not been set to "FILM-REC", this setting cannot be changed.
S C U F R		
V-REC KNEE SLOPE	150% 200% 250% 300% 350% 400% 450% 500%	For setting the amount of knee-slope when GAMMA MODE SEL has been set to "VIDEO-REC". When GAMMA MODE SEL has not been set to "VIDEO-REC", this setting cannot be changed.
S C U F R		
V-REC KNEE POINT	30% : 107%	For setting knee point when GAMMA MODE SEL has been set to "VIDEO-REC". When GAMMA MODE SEL has not been set to "VIDEO-REC", this setting cannot be changed.
S C U F R		

## ■CAMERA SETTING

Items/ Data Saved	Adjustable Range	Remarks
DETAIL	ON OFF	For switching on/off of the detail signals.
S C U F R		
GAMMA	ON OFF	For switching on/off of the gamma correction.
S C U F R		
TEST SAW	ON OFF	Switch the test signal on or off.
S C U F R		
FLARE	ON OFF	Set the flare correction to on or off.
S C U F R		
H-F COMPE.	ON OFF	For switching on/off of the aperture correction.
S C U F R		

### ◆Note

All items in CAMERA SETTING are setting targets of the item PAINT MENU SW(■) R/W in the <SD CARD R/W SELECT> screen.

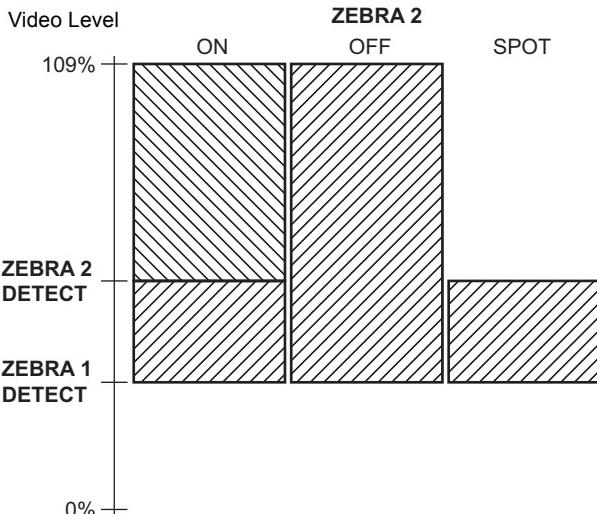
# VF

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

## VF DISPLAY

Items/ Data Saved	Adjustable Range	Remarks	Items/ Data Saved	Adjustable Range	Remarks
STATUS MODE  - C U F R	NORMAL FILM-REC	For selecting the status display mode of the viewfinder. <b>NORMAL:</b> Normal status display <b>FILM-REC:</b> Status display for FILM REC ◆Note Setting STATUS MODE to "FILM-REC" disables the DISP CONDITION and DISP MODE settings.	ZEBRA2 DETECT  - C U F R	0% : 85% : 109%	Set the ZEBRA2 detection level (IRE value).
DISP CONDITION  - C U F R	NORMAL HOLD	<b>NORMAL:</b> Display status constantly. <b>HOLD:</b> Display status only when the MODE CHECK switch is pressed.	ZEBRA2  - C U F R	OFF SPOT ON	Set the ZEBRA2 to "ON", "OFF", or "SPOT".
DISP MODE  - C U F R	1 2 3	Set the DISP MODE. Switch the camera's Warning/Message indication. Please refer to [Display Modes and Setting Changes/adjustment Result Messages] (page 86) for more information.	LOW LIGHT LVL  - C U F R	OFF 10% 15% 20% 25% 30% 35%	Set the camera incoming light volume at which to display "LOW LIGHT".
VF OUT  - C U F R	Y NAM R G B	For selecting the video signals to display in the viewfinder screen. <b>Y:</b> Brightness signal <b>NAM:</b> Output signal with the highest level among R, G, and B signals. <b>R:</b> Rch signal <b>G:</b> Gch signal <b>B:</b> Bch signal	RC MENU DISP.  - C U F R	ON OFF	For the setting to display the menu in the viewfinder screen when the remote control unit is connected to the unit.
VF DTL  - C U F R	00 : 05 : 10	For setting the detail level of the viewfinder screen. The details of the signals for the viewfinder are further enhanced. If "0" is selected, then the detail is the same as that for the main line.	MARKER/CHAR LVL  - C U F R	50% 60% 70% 80% 90% 100%	Adjust the brightness of markers and characters displayed on the viewfinder.
VF DTL CORING  - C U F R	00 : 15	For setting the noise elimination level for detail in the viewfinder signal.	SYNCHRO SCAN DISP.  - C U F R	sec deg	Set the units for the SYNCHRO SCAN mode display. <b>sec:</b> Display using time. <b>deg:</b> Display using opening angle of the shutter.
VF H.DTL FREQ.  S C U F R	1 : 4 : 6	For selecting the horizontal detail frequency in the viewfinder signal.			
ZEBRA1 DETECT  - C U F R	0% : 70% : 109%	Set the ZEBRA1 detection level (IRE value).			

### ZEBRA Pattern Display



## VF MARKER

Items/ Data Saved	Adjustable Range	Remarks
TABLE	A B	Select the VF MARKER setting table. First, select table "A" or "B", then set the items below for each table.
- C U F R		
CENTER MARK	OFF 1 2 3 4	Switch the center mark. <b>OFF:</b> Do not display center mark. <b>1:</b> + (large) <b>2:</b> Hollow (large) <b>3:</b> + (small) <b>4:</b> Hollow (small)
- C U F R		
SAFETY MARK	OFF 1 2	Select the frame type for the safety zone. <b>OFF:</b> Do not display frame. <b>1:</b> Box  <b>2:</b> Corner frame 
- C U F R		
SAFETY AREA	80% : 90% : 100%	For setting the size of the safety marker. It is possible to set the size by units of 1% with a fixed ratio between width and height.
- C U F R		
FRAME MARK	ON OFF	Set the frame marker to "ON" or "OFF".
- C U F R		
FRAME SIG	4:3 13:9 14:9 VISTA CNSCO	Set the frame marker. The VISTA ratio is 16:8.65. (1.85:1) The CNSCO ratio is 16:6.81 (2.35:1).
- C U F R		
FRAME LVL	0 : 15	Set the level outside the frame marker. Note that the level does not change on the LCD monitor. <b>0:</b> Equivalent to signal off. (Blanking status) <b>15:</b> Same brightness as center area.
- C U F R		

## ◆ Note

The safety zone marker, the safety zone area, and the frame marker are not displayed on the LCD monitor if "LT-BOX" is selected in DOWNCOM MODE.

## VF USER BOX

Items/ Data Saved	Adjustable Range	Remarks
USER BOX	ON OFF	For setting whether the user box is displayed in the viewfinder or not.
- C U F R		
USER BOX WIDTH	1 : 13 : 100	For setting the width of the user box.
- C U F R		
USER BOX HEIGHT	1 : 13 : 100	For setting the height of the user box.
- C U F R		
USER BOX H POS	-50 : +00 : +50	For setting the horizontal position of the user box center.
- C U F R		
USER BOX V POS	-50 : +00 : +50	For setting the vertical position of the user box center.
- C U F R		

- The user box can be displayed in any position as a boxtyle cursor.

## ◆ Note

The user box is not displayed on the LCD monitor if "LT-BOX" is selected in DOWNCOM MODE.

## VF INDICATOR1

Items/ Data Saved	Adjustable Range	Remarks
EXTENDER	ON OFF	For selecting "ON" or "OFF" for the extender display.  - C U F R
SHUTTER	ON OFF	Set the shutter speed indication to "ON" or "OFF".  - C U F R
FILTER	ON OFF	Set the filter No. indication to "ON" or "OFF".  - C U F R
WHITE	ON OFF	Set the AWB PRST/A/B indication to "ON" or "OFF".  - C U F R
GAIN	ON OFF	For selecting "ON" or "OFF" for the indication of the currently selected gain.  - C U F R
IRIS	OFF IRIS	OFF: Disable the iris value indication. IRIS: Enable the iris value indication. • The display of the iris value and the display of the iris override are interlinked. When the iris override is changed, it is forcibly displayed for 3 seconds.  - C U F R
CAMERA ID	BAR OFF	For setting to record the camera ID. <b>BAR:</b> The camera ID is recorded when the color bar signals are recorded. <b>OFF:</b> The camera ID is not recorded.  - C U F R
ID POSITION	UPPER R UPPER L LOWER R LOWER L	For setting the position to display the camera ID. <b>UPPER R:</b> Upper right. <b>UPPER L:</b> Upper left. <b>LOWER R:</b> Lower right. <b>LOWER L:</b> Lower left.  - C U F R
DATE/TIME	ON OFF	For selecting an option to display year/month/day and hour/minute/second simultaneously when the camera ID is displayed.  - C U F R
ZOOM LVL	ON OFF	Set the zoom position indication to "ON" or "OFF".  - C U F R
COLOR TEMP	ON OFF	Set the color temperature indication to "ON" or "OFF".  - C U F R
SYSTEM MODE	ON OFF	For selecting "ON" or "OFF" for the system mode and REC mode display.  - C U F R
REC FORMAT	ON OFF	For selecting "ON" or "OFF" for the recording format display.  - C U F R
FRAME RATE	ON OFF	For selecting "ON" or "OFF" for the frame rate display.  - C U F R

## VF INDICATOR2

Items/ Data Saved	Adjustable Range	Remarks
CAC	ON OFF	For selecting "ON" or "OFF" for the CAC function display.  - C U F R
GAMMA MODE	ON OFF	Select whether the gamma mode is to be displayed or not.  - C U F R
DRS	ON OFF	For selecting "ON" or "OFF" for the dynamic range stretcher function display.  - C U F R
P-10LOG	ON OFF	For selecting whether to display if P-10LOG is operating or not.  - C U F R
VF GAMMA	ON OFF	For selecting "ON" or "OFF" for the viewfinder gamma display.  - C U F R
MONITOR GAMMA	ON OFF	For selecting "ON" or "OFF" for the monitor gamma display.  - C U F R

## VF INDICATOR3

Items/ Data Saved	Adjustable Range	Remarks
P2CARD REMAIN	OFF ONE-CARD <u>TOTAL</u>	Select the indication mode for the P2 card's remaining capacity. <b>OFF:</b> Disable the remaining capacity indication. <b>ONE-CARD:</b> Display the remaining capacity of the P2 card currently used for recording. <b>TOTAL:</b> Display the total remaining capacity of all P2 cards in slots.  - C U F R
BATTERY	ON OFF	Set the battery voltage indication to "ON" or "OFF".  - C U F R
AUDIO LVL	ON OFF	Set the audio lever meter indication to "ON" or "OFF".  - C U F R
TC ON COLOR BAR	ON OFF	Select whether the time code is to be displayed or not on the color bar.  - C U F R
TC	OFF TCG TCR TCG/TCR	Select the time code to display. <b>OFF:</b> Disable the time code display. <b>TCG:</b> Display the time code generator value in recording mode. <b>TCR:</b> Display the time code reader value in playback mode. <b>TCG/TCR:</b> Display the time code generator value in recording mode, and the time code reader value in playback mode.  - C U F R
SYSTEM INFO	OFF ALWAYS <u>NORMAL</u>	Select the method of displaying system information and warnings. <b>OFF:</b> Display no warnings other than "TURN POWER OFF" and "SYSTEM ERROR". <b>ALWAYS:</b> Always display warnings. <b>NORMAL:</b> Display warnings for 3 seconds only when problems occur.  - C U F R

Items/ Data Saved	Adjustable Range	Remarks
SAVE LED	SAVE P2CARD	Set the SAVE lamp function. <b>SAVE:</b> The lamp lights up when the SAVE ON/OFF switch is set to [ON] and the output system assigned in [OPTION MODE] (page 171) is in the save mode. <b>P2CARD:</b> The lamp blinks in sync with the warning message when the P2 card's remaining recording capacity is getting low.  - C U F R
REC STATUS	ON OFF	Select whether or not to enable "REC" indication in the viewfinder and on the LCD monitor during recording. <b>ON:</b> REC indication enabled. <b>OFF:</b> REC indication not enabled. <b>Note</b> This option is useful when unit is used independently.  - C U F R
PROXY REC	ON OFF	When a video encoder card (AJ-YAX800G, optional) is attached, proxy recording information is displayed when recording starts. <b>ON:</b> Display indicating whether proxy recording is to be performed on the P2 card only, or on both the P2 card and the SD memory card. <b>OFF:</b> Proxy recording information is not displayed.  - C U F R

## MODE CHECK IND

## !LED

Items/ Data Saved	Adjustable Range	Remarks
STATUS	ON OFF	For the setting to display the status screen when the MODE CHECK button is pressed.
- C U F R		
!LED	ON OFF	For the setting to indicate causes for turning on the $\odot$ lamp on the viewfinder is displayed when the MODE CHECK button is pressed. The causes for turning on the $\odot$ lamp are displayed with !.
- C U F R		
FUNCTION	ON OFF	For the setting to display the FUNCTION screen when the MODE CHECK button is pressed.
- C U F R		
AUDIO	ON OFF	For the setting to display the AUDIO screen when the MODE CHECK button is pressed.
- C U F R		
CAC	ON OFF	For the setting to display the CAC screen when the MODE CHECK button is pressed.
- C U F R		
USER SW STATUS	ON OFF	For selecting whether to display the functions assigned to the user switches, or if some of the switch operations are locked or not when in MODE CHECK.
- C U F R		
P.ON IND	ON OFF	For the setting to display the status screen immediately after turning on the power of the unit. <b>Note</b> Even if it is set to "ON" in this item, the status screen is not displayed immediately after turning on the power of the unit when the STATUS item is set to "OFF".
- C U F R		

Items/ Data Saved	Adjustable Range	Remarks
GAIN (0dB)	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the GAIN is set to a value other than "0 dB".
- C U F R		
SHUTTER	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the electronic shutter is activated.
- C U F R		
WHITE PRESET	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the WHITE BAL switch is set to the [PRST] position.
- C U F R		
EXTENDER	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the lens extender is activated.
- C U F R		
B.GAMMA	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the BLACK GAMMA is activated.
- C U F R		
MATRIX	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the color correction table for the linear matrix is selected.
- C U F R		
COLOR CORRECTION	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the 12-axis independent color correction is selected.
- C U F R		
FILTER	ON OFF	For the setting to turn the $\odot$ lamp on the viewfinder on when the filter combination is anyone other than 3200 K and CLEAR.
- C U F R		

## CAM OPERATION

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### CAMERA ID

Items/ Data Saved	Adjustable Range	Remarks
ID1	***** ****	Setting 1 for the CAMERA ID recorded on color bars. Up to 10 characters are allowed for this setting.  - C U F -
ID2	***** ****	Setting 2 for the CAMERA ID recorded on color bars. Up to 10 characters are allowed for this setting.  - C U F -
ID3	***** ****	Setting 3 for the CAMERA ID recorded on color bars. Up to 10 characters are allowed for this setting.  - C U F -

#### ◆Note

This setting is canceled when READ FACTORY DATA is selected.

### SHUTTER SPEED

Items/ Data Saved	Adjustable Range	Remarks
SYNCHRO SCAN	ON OFF	Allocate SYNCHRO SCAN as a shutter speed selectable by the shutter switch.  - C U F -
SYNCHRO SCAN2	ON OFF	Allocate SYNCHRO SCAN2 as a shutter speed selectable by the shutter switch. When SYNCHRO SCAN2 has been allocated, the speed will only be displayed in seconds.  - C U F -
POSITION1	ON OFF	Allocate the shutter speed set by POSITION1 SEL in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.  - C U F -
POSITION2	ON OFF	Allocate the shutter speed set by POSITION2 SEL in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.  - C U F -
POSITION3	ON OFF	Allocate the shutter speed set by POSITION3 SEL in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.  - C U F -
POSITION4	ON OFF	Allocate the shutter speed set by POSITION4 SEL in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.  - C U F -
POSITION5	ON OFF	Allocate the shutter speed set by POSITION5 SEL in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.  - C U F -
POSITION6	ON OFF	Allocate the shutter speed set by POSITION6 SEL in the <SHUTTER SELECT> screen as the shutter speed selectable by the shutter switch.  - C U F -

## SHUTTER SELECT

Items/ Data Saved	Adjustable Range	Remarks	Items/ Data Saved	Adjustable Range	Remarks
POSITION1 SEL  <b>For 59.94 Hz</b>	1/60 1/100 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	For setting the shutter speed for POSITION1.	POSITION3 SEL  <b>For 59.94 Hz</b>	1/60 1/100 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	For setting the shutter speed for POSITION3.
For 50 Hz	1/50 1/60 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg		For 50 Hz	1/50 1/60 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	
-   C   U   F   -			-   C   U   F   -		
POSITION2 SEL  <b>For 59.94 Hz</b>	1/60 1/100 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	For setting the shutter speed for POSITION2.	POSITION4 SEL  <b>For 59.94 Hz</b>	1/60 1/100 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	For setting the shutter speed for POSITION4.
For 50 Hz	1/50 1/60 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg		For 50 Hz	1/50 1/60 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	
-   C   U   F   -			-   C   U   F   -		

Items/ Data Saved	Adjustable Range	Remarks
POSITION5 SEL  For 59.94 Hz	1/60 1/100 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg <u>90.0deg</u> 45.0deg	For setting the shutter speed for POSITION5.
For 50 Hz	1/50 1/60 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg <u>90.0deg</u> 45.0deg	
- C U F -		
POSITION6 SEL  For 59.94 Hz	1/60 1/100 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg <u>90.0deg</u> <u>45.0deg</u>	For setting the shutter speed for POSITION6.
For 50 Hz	1/50 1/60 1/120 1/250 1/500 1/1000 1/2000 HALF 180.0deg 172.8deg 144.0deg 120.0deg 90.0deg 45.0deg	
- C U F -		

◆Note

By setting the shutter speed on the time axis (1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000), the frame rate can be varied while keeping the exposure constant.

This is equivalent to Ramping (compensating for changes in frame rate using shutter angle) in a conventional film camera.

USER SW		
Items/ Data Saved	Adjustable Range	Remarks
USER MAIN SW	INH I.OVR S.BLK B.GAMMA Y.GET DRS ASSIST C.TEMP VFR FRATE VF GAM AUDIO CH1 AUDIO CH2 REC SW RET SW PRE REC SLOT SEL PC MODE	Allocate the USER MAIN button. For descriptions of the functions, see [Assigning Functions to User Buttons] (page 59).
- C U F R		
USER1 SW	INH I.OVR S.BLK B.GAMMA <u>Y.GET</u> DRS ASSIST C.TEMP VFR FRATE VF GAM AUDIO CH1 AUDIO CH2 REC SW RET SW PRE REC SLOT SEL PC MODE	Allocate the USER 1 button. For descriptions of the functions, see [Assigning Functions to User Buttons] (page 59).
- C U F R		
USER2 SW	INH I.OVR S.BLK B.GAMMA Y.GET DRS ASSIST C.TEMP VFR FRATE <u>VF GAM</u> AUDIO CH1 AUDIO CH2 REC SW RET SW PRE REC SLOT SEL PC MODE	Allocate the USER 2 button. For descriptions of the functions, see [Assigning Functions to User Buttons] (page 59).
- C U F R		
MARKER SEL (USER3 SW)	INH Y.GET ASSIST VF GAM <u>VF MARK</u> REC SW RET SW PRE REC SLOT SEL PC MODE	Allocate the MARKER SELECT button. For descriptions of the functions, see [Assigning Functions to User Buttons] (page 59).
- C U F R		
TEXT MEMO SW (USER4 SW)	INH Y.GET ASSIST VF GAM REC SW RET SW PRE REC SLOT SEL PC MODE TEXT MEMO	Allocate the TEXT MEMO button. For descriptions of the functions, see [Assigning Functions to User Buttons] (page 59).
- C U F R		

Items/ Data Saved	Adjustable Range	Remarks	Items/ Data Saved	Adjustable Range	Remarks
RET SW	R.REVIEW CAM RET	<p>For setting the function when the user button on the unit, to which the RET button of the lens or the RET SW function is allocated, is pressed.</p> <p><b>R.REVIEW:</b> Rec review function It is possible to check a last few seconds of the records taken.</p> <p><b>CAM RET:</b> Return video function It is possible to confirm the return video signals (analog HD Y signals) supplied to the GENLOCK IN connector on the unit by using the viewfinder.</p> <p>◆Notes</p> <ul style="list-style-type: none"> <li>• When video signals in a format different from that for the video mode of the unit, return video is not properly displayed.</li> <li>• When the GENLOCK item (the &lt;GENLOCK&gt; screen on the SYSTEM SETTING page) is set to "INT", the return video image may be displayed as slightly shaking horizontally.</li> </ul>	- C U F R	COLOR BARS SMPTE FULL BARS SPLIT - C U F R	<p>For selecting the color bar to be used.</p> <p><b>SMPTE:</b> Color bar complied with the SMPTE standards</p> <p><b>FULL BARS:</b> Full color bar</p> <p><b>SPLIT:</b> SPLIT color bar for SNG (Satellite News Gathering)</p>
S.BLK LVL	OFF -10 -20 -30	For setting the super black level.	RC CHECK SW	R.REVIEW PLAY - C U F R	<p>For specifying what the unit does when the REC check button on the remote control unit is pressed.</p> <p><b>R.REVIEW:</b> The unit performs rec review.</p> <p><b>PLAY:</b> The unit performs playback.</p>
AUTO KNEE SW	ON OFF DRS	For selecting on/off of the AUTO KNEE function and DRS function. When it is set to "OFF", the AUTO KNEE may not function even if the AUTO KNEE switch is turned on. When the DRS is selected and the AUTO KNEE switch is positioned to [ON], the DRS function turns on.	SIDE SW LOCK	OFF ON - C U F R	<p>For selecting whether to disable the switches (GAIN, OUTPUT and AWB switches) on the side of the unit.</p> <p>When this setting is changed from "OFF" to "ON", the set states of the switches are preserved. While this setting is "ON", the switches remain disabled.</p> <p><b>OFF:</b> Switches are not disabled.</p> <p><b>ON:</b> Switches are disabled.</p>
SHD.ABB SW CTL	ON OFF	For the setting to adjust the black shading automatically when the AUTO W/B BAL switch is held to the [ABB] side for 8 seconds or more.	- C U F R		

## WHITE BALANCE MODE

Items/ Data Saved	Adjustable Range	Remarks
FILTER INH	ON OFF	<p>For selecting independently whether memory data for white balance (Ach, Bch) is retained or not for the respective CC filters.</p> <p><b>ON:</b> Regardless of the CC filter, data for the memories (2 memories) for Ach and Bch is retained.</p> <p><b>OFF:</b> The memory data (8 memories) for Ach and Bch is retained for the respective CC filters.</p>
-   C   U   F   R		
SHOCKLESS AWB	OFF FAST NORMAL SLOW1 SLOW2 SLOW3	<p>For setting the length of time for transiting to the switched position of white balance, when the position of the WHITE BAL switch is changed.</p> <p><b>OFF:</b> To transit instantly</p> <p><b>FAST:</b> About 1 second</p> <p><b>NORMAL:</b> About 2 seconds</p> <p><b>SLOW1:</b> About 3 seconds</p> <p><b>SLOW2:</b> About 10 seconds</p> <p><b>SLOW3:</b> About 20 seconds</p>
-   C   U   F   R		
AWB AREA	25% 50% 90%	<p>For switching the detection area for executing the automatic adjustment of white balance.</p> <p><b>25%:</b> An area near the screen center equivalent to 25% of the screen is detected.</p> <p><b>50%:</b> An area near the screen center equivalent to 50% of the screen is detected.</p> <p><b>90%:</b> An area equivalent to 90% of the screen is detected.</p>
-   C   U   F   R		
TEMP PRE SEL SW	VAR 3.2K/5.6K	<p>For changing the detection area on which automatic white balance adjustment is performed.</p> <p><b>VAR:</b> From 2300K↓ to 9900K↑ is selectable.</p> <p><b>3.2K/5.6K:</b> The detection area is fixed to 3200K or 5600K.</p>
-   -   - F   -		
COLOR TEMP PRE	2300K↓ : 3200K : 9900K↑	<p>For setting the color temperature when the WHITE BAL switch is set to the [PRST] position.</p> <ul style="list-style-type: none"> <li>Since the range of color temperatures that can be set will vary with the CC filter position, a numerical value cannot be changed even if the color temperature is changed when a high color temperature is set.</li> </ul>
-   -   - F   -		
AWB A TEMP	2300K↓ : 3200K : 9900K↑	<p>For setting the color temperature when the WHITE BAL switch is set to the [A] position.</p> <p>If the automatic adjustment of white balance is executed in the [A] position, the color temperature at that time is memorized in the position of the WHITE BAL switch [A].</p>
-   -   - F   -		

Items/ Data Saved	Adjustable Range	Remarks
AWB B TEMP	2300K↓ : 3200K : 9900K↑	<p>For setting the color temperature when the WHITE BAL switch is set to the [B] position.</p> <p>If the automatic adjustment of white balance is executed in the [B] position, the color temperature at that time is memorized in the position of the WHITE BAL switch [B].</p>

## LENS/IRIS

Items/ Data Saved	Adjustable Range	Remarks
A.IRIS LEVEL	000 : 045 : 100	Set the target value for auto iris.
-   C   U   F   R		
A.IRIS PEAK/AVE	000 : 030 : 100	<p>Determine the peak-to-standard ratio for the auto iris.</p> <p>A larger value sets the auto iris to respond to the peak in the iris detection window, while a smaller value sets it to respond to the average value in the window.</p>
-   C   U   F   R		
A.IRIS WINDOW	NORM1 NORM2 CENTR	<p>Select the auto iris detection window.</p> <p><b>NORM1:</b> The window closer to the center of the screen.</p> <p><b>NORM2:</b> The window closer to bottom of the screen.</p> <p><b>CENTR:</b> The spot window in the center of the screen.</p>
-   C   U   F   R		
IRIS GAIN	CAM LENS	<p>Select which unit controls IRIS GAIN.</p> <p>◆Note Lenses with an extender, such as ×2, ×0.8 sold before FUJINON DIGI POWER, perform iris compensation while enabling the extender. Therefore, if this setting is switched to "CAM", the camera's iris control will not operate properly.</p>
-   C   U   F   R		
IRIS GAIN VALUE	01 : 10 : 20	Set the adjustable value for IRIS GAIN. This setting is effective when "CAM" is selected for IRIS GAIN.
-   C   U   F   R		

## MAIN OPERATION

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### BATTERY/P2CARD

Items/ Data Saved	Adjustable Range	Remarks	Items/ Data Saved	Adjustable Range	Remarks
BATTERY SELECT	PROPAC14 TRIMPAC14 HYTRON50 HYTRON140 DIONIC90 DIONIC160 NP-L7 ENDURA7 ENDURA10 ENDURA-D PAG L95 BP-L65/95 NiCd14 TYPE A TYPE B	Select the battery to use. Remaining capacity detection is also performed according to the selected battery. The variable range is changed by the item settings selected on the [BATTERY SETTING1] (page 196) and [BATTERY SETTING2] (page 197) menus. The initial value for "TYPE A" is set to "DIONIC90" while the same for "TYPE B" is set to "HYTRON140". When BP-GL65 or BP-GL95, a battery made of Sony, is used, set this to "BP-L65/95".	CARD NEAR END ALARM	ON OFF	Select whether or not to set the alarm to beep when the space remaining on the P2 card is small.
-   C   U   F   -	-   C   U   F   -		CARD NEAR END TIME	2min 3min	Set the time at which to indicate that there is little space remaining on the P2 card.
-   C   U   F   -	-   C   U   F   -		CARD END ALARM	ON OFF	Select whether or not to set the alarm to beep when the P2 card is full.
-   C   U   F   -	-   C   U   F   -		CARD REMAIN/ ■	3min/■ 5min/■	Set the length of time for one segment (■) of the P2 card's remaining capacity indicator bars. 3min/■: One segment represents 3 minutes. 5min/■: One segment represents 5 minutes.
EXT DC IN SELECT	AC ADPT PROPAC14 TRIMPAC14 HYTRON50 HYTRON140 DIONIC90 DIONIC160 NP-L7 ENDURA7 ENDURA10 ENDURA-D PAG L95 BP-L65/95 NiCd14 TYPE A TYPE B	Set the remaining capacity detection type when a battery is connected to the DC IN connector. Remaining capacity detection is also performed according to the selected battery type. The variable range is changed by the item settings selected on the [BATTERY SETTING1] (page 196) and [BATTERY SETTING2] (page 197) menus. Analog voltage is displayed on the viewfinder screen. When BP-GL65 or BP-GL95, a battery made of Sony, is used, set this to "BP-L65/95".	BATT NEAR END ALARM	ON OFF	Select whether or not to set the alarm to beep when the battery level is low.
-   C   U   F   -	-   C   U   F   -		BATT NEAR END CANCEL	ON OFF	If set to "ON", the warning tone and indication can be canceled by pressing the MODE CHECK button when BATT NEAR END ALARM is triggered.
-   C   U   F   -	-   C   U   F   -		BATT END ALARM	ON OFF	Select whether or not to set the alarm to beep when the battery is empty.
BATT REMAIN FULL	70% 100%	Set the display of the remaining battery level indicator bar in the display window when a battery with this function is used. <b>70%:</b> Indicate FULL at 70% capacity. <b>100%:</b> Indicate FULL at 100% capacity.	-   C   U   F   -	-   C   U   F   -	

## BATTERY SETTING1

Items/ Data Saved	Adjustable Range	Remarks
PROPAC14	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.8 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
TRIMPAC14	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.6 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
HYTRON50	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.5 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
HYTRON140	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.5 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		

Items/ Data Saved	Adjustable Range	Remarks
DIONIC90	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.6 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
DIONIC160	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.2 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
NP-L7	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.2 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
ENDURA7	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.2 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		

Items/ Data Saved	Adjustable Range	Remarks
ENDURA10	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.2 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
ENDURA-D	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.2 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
PAG L95	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.5 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		
BP-GL65/95	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
	AUTO MANUAL	Select auto or manual to set the NEAR END voltage. <b>AUTO:</b> Set voltage automatically. <b>MANUAL:</b> Set voltage manually.
	11.0 : 13.5 : 15.0	When "MANUAL" is selected in the menu above, set the NEAR END voltage in 0.1 V steps.
- C U F -		

## BATTERY SETTING2

Items/ Data Saved	Adjustable Range	Remarks
NiCd14	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
NEAR END	11.0 : 13.8 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END	11.0 : 13.4 : 15.0	Set the END voltage in 0.1 V steps.
- C U F -		
TYPE A	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
FULL	12.0 : 15.1 : 17.0	Set the voltage to display the FULL indication in 0.1 V steps.
NEAR END	11.0 : 13.6 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END	11.0 : 12.9 : 15.0	Set the END voltage in 0.1 V steps.
- C U F -		
TYPE B	*	Enable selection under BATTERY SELECT. *: Enable selection. .: Disable selection.
FULL	12.0 : 15.5 : 17.0	Set the voltage to display the FULL indication in 0.1 V steps.
NEAR END	11.0 : 13.5 : 15.0	Set the NEAR END voltage in 0.1 V steps.
END	11.0 : 13.1 : 15.0	Set the END voltage in 0.1 V steps.
- C U F -		

- The remaining battery level is indicated in percentage when a battery with this function is installed on the unit.

Items/ Data Saved	Adjustable Range	Remarks
FRONT VR CH1	OFF FRONT W.L. REAR ALL	Select whether or not to enable the FRONT AUDIO LEVEL control for the signal selected as the input signal to AUDIO IN CH1. <b>OFF:</b> Disabled for any input selected. Recording level does not change by turning the volume control. <b>FRONT:</b> Only enabled when [FRONT] is selected. <b>W.L.:</b> Only enabled when [W.L.] (wireless) is selected. <b>REAR:</b> Only enabled when [REAR] is selected. <b>ALL:</b> Enabled for any input selected.
-   C   U   F   -		
FRONT VR CH2	OFF FRONT W.L. REAR ALL	Select whether or not to enable the FRONT AUDIO LEVEL control for the signal selected as an input signal to AUDIO IN CH2. <b>OFF:</b> Disabled for any input selected. Recording level does not change by turning the volume control. <b>FRONT:</b> Only enabled when [FRONT] is selected. <b>W.L.:</b> Only enabled when [W.L.] (wireless) is selected. <b>REAR:</b> Only enabled when [REAR] is selected. <b>ALL:</b> Enabled for any input selected.
-   C   U   F   -		
MIC LOWCUT CH1	OFF FRONT W.L. REAR	Select the microphone low cut filter for input CH1. <b>OFF:</b> The microphone low cut filter is disabled for any input. <b>FRONT:</b> The microphone low cut filter is enabled when the front microphone is selected. <b>W.L.:</b> The microphone low cut filter is enabled only when the wireless microphone is selected. <b>REAR:</b> The microphone low cut filter is enabled only when the rear microphone is selected.
-   C   U   F   -		
MIC LOWCUT CH2	OFF FRONT W.L. REAR	Select the microphone low cut filter for input CH2. <b>OFF:</b> The microphone low cut filter is disabled for any input. <b>FRONT:</b> The microphone low cut filter is enabled when the front microphone is selected. <b>W.L.:</b> The microphone low cut filter is enabled only when the wireless microphone is selected. <b>REAR:</b> The microphone low cut filter is enabled only when the rear microphone is selected.
-   C   U   F   -		
MIC LOWCUT CH3	OFF FRONT W.L. REAR	Select the microphone low cut filter for input CH3. <b>OFF:</b> The microphone low cut filter is disabled for any input. <b>FRONT:</b> The microphone low cut filter is enabled when the front microphone is selected. <b>W.L.:</b> The microphone low cut filter is enabled only when the wireless microphone is selected. <b>REAR:</b> The microphone low cut filter is enabled only when the rear microphone is selected.
-   C   U   F   -		

Items/ Data Saved	Adjustable Range	Remarks
MIC LOWCUT CH4	OFF FRONT W.L. REAR	Select the microphone low cut filter for input CH4. <b>OFF:</b> The microphone low cut filter is disabled for any input. <b>FRONT:</b> The microphone low cut filter is enabled when the front microphone is selected. <b>W.L.:</b> The microphone low cut filter is enabled only when the wireless microphone is selected. <b>REAR:</b> The microphone low cut filter is enabled only when the rear microphone is selected.
-   C   U   F   -		
LIMITER CH1	ON OFF	Select the limiter. The limiter is enabled when AUDIO SELECT CH1 switch is set to [MAN].
-   C   U   F   -		
LIMITER CH2	ON OFF	Select the limiter. The limiter is enabled when AUDIO SELECT CH2 switch is set to [MAN].
-   C   U   F   -		
AUTO LEVEL CH3	ON OFF	Select the level setting method. For more information, see [CH3 and CH4 Recording Levels] (page 62)
-   C   U   F   -		
AUTO LEVEL CH4	ON OFF	Select the level setting method. For more information, see [CH3 and CH4 Recording Levels] (page 62)
-   C   U   F   -		
TEST TONE	OFF NORMAL ALWAYS CHSEL	Select the test signal. <b>OFF:</b> Disable test tone output. <b>NORMAL:</b> Test tone signals are output to all of CH1 - CH4 when the OUTPUT/AUTO KNEE selector switch has been switched to [BARS] and CH1 of the AUDIO IN switch has been switched to [FRONT]. <b>ALWAYS:</b> Test tone signals are always output to all of CH1 - CH4 when the OUTPUT/AUTO KNEE selector switch has been switched to [BARS]. <b>CHSEL:</b> Output test tone to the channels where the AUDIO IN switch CH1 or CH2 is set to [FRONT] when OUTPUT/AUTO KNEE selector switch is set to [BARS]. The test tone is not output to CH3 and CH4.
-   C   U   F   -		

**◆ Note**

The frequency characteristics when the microphone low cut filter is applied are 200 Hz to 10 kHz.

## MIC/AUDIO2

## TC/UB

Items/ Data Saved	Adjustable Range	Remarks
FRONT MIC POWER	ON OFF	Select the phantom power supply for the front microphone.
-   C   U   F   -		
REAR MIC POWER	ON OFF	Select the phantom power supply for the rear microphone. When "OFF" is selected, no phantom power is supplied even if the LINE/MIC/+48V selector switch is set to [+48V].
-   C   U   F   -		
MONITOR SELECT	STEREO MIX	When the MONITOR select switch is set to [ST] (stereo), select the signal format for the monitor output.
-   C   U   F   -		
FRONT MIC LEVEL	-40dB -50dB	Select the front microphone input level.
-   C   U   F   -		
REAR MIC CH1 LVL	-50dB -60dB	Select the rear microphone input level.
-   C   U   F   -		
REAR MIC CH2 LVL	-50dB -60dB	Select the rear microphone input level.
-   C   U   F   -		
REAR LINE IN LVL	0dB +4dB -3dB	Select the rear line input level.
-   C   U   F   -		
AUDIO OUT LVL	0dB +4dB -3dB	Select the audio output level.
-   C   U   F   -		
HEADROOM	18dB 20dB	Set the headroom (standard level).
-   C   U   F   -		
WIRELESS WARN	ON OFF	Select whether or not to enable the alarm to trigger for poor wireless receiver reception.
-   C   U   F   -		
WIRELESS TYPE	SINGLE DUAL	Select the type of wireless receiver. <b>SINGLE:</b> Select a single channel wireless receiver. <b>DUAL:</b> Select a 2-channel wireless receiver.
-   C   U   F   -		

Items/ Data Saved	Adjustable Range	Remarks
TC MODE	DF NDF	Set the time code mode. <b>DF:</b> Drop frame. <b>NDF:</b> Non drop frame. <b>Note</b> When the unit operates at 50 Hz or in 24P or 24PA mode, the non-drop frame is always used.
-   C   U   F   -		
UB MODE	USER TIME DATE EXT TCG FRM RATE REGEN	Select the user bits mode. <b>USER:</b> Select UB value set in the LCD section. <b>TIME:</b> Select local time (hours, minutes, seconds). <b>DATE:</b> Select local date and time (2 last digits of year, month, date, time). <b>EXT:</b> The user bits input to the TC IN connector are recorded. If reading fails, USER value is retained. <b>TCG:</b> TCG value enters UB. <b>FRM RATE:</b> Select the shooting information (e.g. frame rate) for the camera. For more information, see [Frame rate information recorded in user bits] (page 66). When clips recorded in native mode are played back, the frame rate information recorded in users bits in the VAUX area is output. <b>REGEN:</b> Read out value stored in the card and record value continuously.
-   C   U   F   -		

Items/ Data Saved	Adjustable Range	Remarks
VITC UB MODE	USER/EXT TIME DATE TCG FRM RATE REGEN	<p>Select the user bits mode for VAUX TC (VITC).</p> <p><b>USER/EXT:</b> If UB MODE is set to "EXT", the EXT value is recorded. If not, USER value set by UB is recorded.</p> <p><b>TIME:</b> Select local time (hours, minutes, seconds).</p> <p><b>DATE:</b> Select local date and time (2 last digits of year, month, date, time).</p> <p><b>TCG:</b> TCG value enters UB.</p> <p><b>FRM RATE:</b> Select camera shooting information (frame rate, etc.). For more information, see [Frame rate information recorded in user bits] (page 66).</p> <p><b>REGEN:</b> Read out value stored in card and record value continuously.</p> <p>◆Note When the unit operates in 24P, 24PA, and Native mode, the "FRM RATE" is fixed.</p>
- C U F -		
TCG SET HOLD	ON OFF	On/off switching for the feature that always starts recording (when the power is turned on again) the TCG value that was set before the power is turned off.
- C U F -		
FIRST REC TC	PRESET REGEN	<p>For selecting whether the time code is regenerated to the value on the P2 card when first recording after switching on the power, inserting the P2 card or changing the P2 card that is the recording target.</p> <p><b>PRESET:</b> Use the unit's internal time code.</p> <p><b>REGEN:</b> For clips recorded on the recording-target P2 card, regenerate the time code as the time code of the clip that has the most recent date and time.</p> <p>◆Notes</p> <ul style="list-style-type: none"> <li>Set the date and time accurately. For guidance on setting, see [Setting the Internal Clock's Date and Time] (page 67).</li> <li>During operation in either 24P or 24PA mode, regeneration of the value of the card recorded in drop-frame is not permitted.</li> </ul>
- C U F -		
P.OFF LCD DISPLAY	ON OFF	For selecting whether to allow the time code of the LCD monitor to be set and the counter to be displayed when the power is off.
		<p><b>ON:</b> It is possible to set the time code and display the counter when the power is off.</p> <p><b>OFF:</b> Power-down LCD monitor while camera power is turned off. Setting and indication disabled.</p>
- C U F -		
TC OUT	ICG TCG/TCR	<p>Select the time code to be output to the time code output connector.</p> <p><b>TCG:</b> Always output time code generator value.</p> <p><b>TCG/TCR:</b> Output time code generator value in recording mode, and time code reader value in playback mode.</p>
- C U F -		

Items/ Data Saved	Adjustable Range	Remarks
TC DISP SEL	30F 24F	<p>Select the display format for the time code frame digits. (For 1080-59.94i only)</p> <p>For details, refer to [Recording time code and user bits] (page 64).</p> <p><b>30F:</b> Display time code frame digits in 30 frames.</p> <p><b>24F:</b> Convert time code frame digits into 24 frames for display.</p>
- C U F -		
TC VIDEO SYNCHRO	0 1 2 3	<p>For setting to correct the time code according to the delay of video signals.</p> <p><b>0:</b> Do not correct.</p> <p><b>1:</b> To delay the time code to be input according to the timing of the video images.</p> <p><b>2:</b> To forward the time code to be output according to the timing of the video images.</p> <p><b>3:</b> To delay the time code to be input and forward the time code to be output, respectively, according to the timing of the video images.</p> <p>For details, refer to [Externally Locking the Time Code] (page 69).</p>
- C U F -		
REC REVIEW REGEN	ON OFF	<p>For selecting whether the time code is regenerated to the value on the P2 card or not, when subsequent recording starts after setting the RET SW item on the &lt;SW MODE&gt; screen to "R.REVIEW" and pressing the RET button on the lens or the user button on the unit on which the RET SW function is assigned.</p> <p><b>ON:</b> The time code is regenerated.</p> <p><b>OFF:</b> The time code is not regenerated.</p>
- C U F -		

## UMID SET/INFO

Items/ Data Saved	Adjustable Range	Remarks
COUNTRY	NO-INFO	Input the user's country. "NO-INFO" is displayed until the input completes.
- C U F -		
ORGANIZATION	NO-INFO	Input the user's organization or company name. "NO-INFO" is displayed until the input completes.
- C U F -		
USER	NO-INFO	Input the user name. "NO-INFO" is displayed until the input completes.
- C U F -		
DEVICE NODE		Indicate the product ID number.
- - - - -		

### ◆ Note

Please refer to [Setting UMID Information] (page 74) for the UMID information setting.

## FILE

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### SD CARD READ/WRITE

Items/ Data Saved	Adjustable Range	Remarks
R.SELECT	1 : 8 - - -   F   -	Select the file number to read out.
READ	- - - - -	Read out the data from the SD memory card.
W.SELECT	1 : 8 - - -   F   -	Select the file number to write in.
WRITE	- - - - -	Write the unit's menu data to the SD memory card.
CARD CONFIG	- - - - -	Format the SD memory card.
TITLE READ	- - - - -	Read out the title of the data recorded on the SD memory card.
TITLE1-8	***** **	Up to 8 letters can be set for the title name. - - - - -

#### ◆ Note

For a USB DEVICE mode, errors occur even if the respective items for SD CARD READ/WRITE are executed, since it does not access an SD memory card. Set PC MODE to "OFF" and then execute the operation again.

### SD CARD R/W SELECT

Items/ Data Saved	Adjustable Range	Remarks
SYSTEM MODE R/W	ON OFF - - -   F   -	Select whether or not to include the settings for the options on the <SYSTEM MODE> screen when reading out or writing to the SD memory card.
ID READ/WRITE	ON OFF - - -   F   -	Select whether or not to include the CAMERA ID when reading out or writing to the SD memory card.
USER MENU SELECT R/W	ON OFF - - -   F   -	Select whether or not to include the settings on the USER MENU SELECT page when reading out or writing to the SD memory card.
SYSTEM MENU R/W	ON OFF - - -   F   -	Select whether or not to include the set values on all screens except the <SYSTEM MODE> screen on the SYSTEM SETTING page and the set values on the OPTION MENU page when reading out or writing to the SD memory card.
PAINT MENU LEVEL R/W	ON OFF - - -   F   -	Select whether or not to include the adjusted values on the PAINT page when reading out or writing to the SD memory card.
PAINT MENU SW(■) R/W	ON OFF - - -   F   -	Select whether or not to include the set values on the PAINT MENU page when reading out or writing to the SD memory card.
VF MENU R/W	ON OFF - - -   F   -	Select whether or not to include the set values on the VF page when reading out or writing to the SD memory card.
CAM OPE MENU R/W	ON OFF - - -   F   -	Select whether or not to include the set values on the CAM OPERATION page when reading out or writing to the SD memory card.
MAIN OPE MENU R/W	ON OFF - - -   F   -	Select whether or not to include the set values on the MAIN OPERATION page when reading out or writing to the SD memory card.
MAINTENANCE MENU R/W	ON OFF - - -   F   -	Select whether or not to include the set values on the MAINTENANCE page when reading out or writing to the SD memory card.

## CAC FILE CARD READ

Items/ Data Saved	Adjustable Range	Remarks
CARD FILE SELECT	01 : 32	For selecting the number of the chromatic aberration correction file on the SD memory card that will be read or deleted.
- - - F -		
READ		For reading CAC file from the SD memory card. When selected, the following FILE READ screen appears.
- - - - -		
DELETE		For deleting a CAC file from the SD memory card.
- - - - -		
TITLE READ		For reading the name of a CAC file on the SD memory card.
- - - - -		
TITLE SCROLL	01 : 25	For scrolling through the CAC files on the SD memory card. Select this option using the cursor. Press the jog dial button, and then turn the jog dial button to scroll through the CAC files.
- - - - -		
01: - 32:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		

## FILE READ screen

Items/ Data Saved	Adjustable Range	Remarks
TITLE		For displaying the name of a CAC file set using READ from the <CAC FILE CARD READ> screen.
YES		For storing a CAC file read from the SD memory card to the internal memory of the unit.
NO (CANCEL)		For canceling storage of a CAC file read from the SD memory card to the internal memory of the unit.
MEM STORE NO.	EMPTY 01 : 32	<b>EMPTY:</b> For searching through the internal memory of the unit in numerical order when storing data and only stores data in free locations. <b>01 - 32:</b> For storing data at selected number. When a CAC file already exists at the selected number, it is overwritten.
TITLE SCROLL	01 : 25	For scrolling through the CAC files in the internal memory of the unit. Select this option using the cursor. Press the jog dial button, and then turn the jog dial button to scroll through the CAC files.
01: - 32:		For displaying up to 32 file names, each up to 27 characters in length.

## LENS FILE

Items/ Data Saved	Adjustable Range	Remarks
FILE NO.	01 : 64	Select the lens file number.
- - -   F   -		
READ		Read the lens file data.
- - -   - - -		
WRITE		Write the lens file data.
- - -   - - -		
RESET ALL		For resetting the all data of the lens file.
- - -   - - -		
TITLE SCROLL	01 : 59	Scrolls through the lens files.
- - -   - - -		
TITLE	***** *****	Up to 12 letters can be set for the title name.
- - -   - - -		
01 - 64		For displaying up to 64 file names.
- - -   - - -		

## LENS FILE CARD R/W

Items/ Data Saved	Adjustable Range	Remarks
CARD FILE SELECT	1(01-08) 2(09-16) 3(17-24) 4(25-32) 5(33-40) 6(41-48) 7(49-56) 8(57-64)	For selecting the number of the lens file in the SD memory card.
- - -   F   -		
READ		For reading the lens file data from the SD memory card.
- - -   - - -		
WRITE		For writing the lens file data into the SD memory card.
- - -   - - -		
TITLE READ		For reading the title of the lens file in the SD memory card.
- - -   - - -		
TITLE1 - 8	***** *****	For setting a title consisting of not more than 12 characters.
- - -   - - -		

## ◆Note

For a USB DEVICE mode, errors occur even if the respective items of LENS FILE CARD R/W are executed, since it does not access an SD memory card. Set PC MODE to "OFF" and then execute the operation again.

## SCENE

Items/ Data Saved	Adjustable Range	Remarks
READ CINEMATOGRAPH		Read out the cinematograph setting.
- - -   - - -		
READ USER DATA		Read out the data from the user area in the memory.
- - -   - - -		
SCENE SEL	01 : 16	Select the scene file.
- - -   F   -		
READ		Read the scene file.
- - -   - - -		
WRITE		Write the scene file.
- - -   - - -		
RESET		Reset the scene file values to the initial values.
- - -   - - -		
TITLE SCROLL	01 : 12	Scrolls through the scene files.
- - -   - - -		
TITLE		Create the scene file title.
- - -   - - -		
01: - 16:		For displaying up to 16 file names.
- - -   - - -		

## ◆Note

For a USB DEVICE mode, errors occur even if the READ USER DATA item is executed, since it does not access an SD memory card. Set PC MODE to "OFF" and then execute the operation again.

## INITIALIZE

Items/ Data Saved	Adjustable Range	Remarks
READ FACTORY DATA		The menu (MAIN MENU, OPTION MENU) values are all reset to factory settings. ◆Note The settings for the following are not reset to the factory-set values. <ul style="list-style-type: none"><li>• Scene file</li><li>• User data</li><li>• Lens file</li><li>• Black shading data</li></ul>
- - -   - - -		
WRITE USER DATA		Save the user preference menu data in the camera's internal memory.
- - -   - - -		

## ◆Note

For a USB DEVICE mode, errors occur even if the READ FACTORY DATA item is executed, since it does not access an SD memory card. Set PC MODE to "OFF" and then execute the operation again.

## MAINTENANCE

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### LENS ADJ

Items/ Data Saved	Adjustable Range	Remarks
F2.8 ADJ - - - - -	ON OFF	The iris is only set to F2.8 when this item set to "ON". (Adjustment to F2.8 will be executed on the lens)
F16 ADJ - - - - -	ON OFF	The iris is only set to F16 when this item set to "ON". (Adjustment to F16 will be executed on the lens)

### LENS FILE ADJ

Items/ Data Saved	Adjustable Range	Remarks
RB GAIN CTRL RESET - - - F -	ON OFF	<b>ON:</b> The gains of Rch and Bch adjusted in <RB GAIN CONTROL> screen are reset. Furthermore, the flare levels of Rch, Gch and Bch that are adjusted on <RGB BLACK CONTROL> screen are reset. <b>OFF:</b> The gains of Rch and Bch adjusted in <RB GAIN CONTROL> screen are enabled. Furthermore, the flare levels of Rch, Gch and Bch that are adjusted on <RGB BLACK CONTROL> screen are enabled.
LENS R GAIN OFFSET - - - F -	-200 : +000 : +200	For compensating Rch sensitivity of the lens used.
LENS B GAIN OFFSET - - - F -	-200 : +000 : +200	For compensating Bch sensitivity of the lens used.
LENS R FLARE - - - F -	000 : 100	For adjusting the flare level of Rch.
LENS G FLARE - - - F -	000 : 100	For adjusting the flare level of Gch.
LENS B FLARE - - - F -	000 : 100	For adjusting the flare level of Bch.

- Data adjusted on the <LENS FILE ADJ> screen can be stored on an SD memory card as a lens file.

### BLACK SHADING

Items/ Data Saved	Adjustable Range	Remarks
CORRECT - C U F R	ON OFF	On/off switching for digital black shading compensation.
DETECTION (DIG) - - - - -	-	Execute digital black shading compensation.

### WHITE SHADING

Items/ Data Saved	Adjustable Range	Remarks
CORRECT - C U F R	ON OFF	On/off switching for white shading compensation.
R H SAW R H PARA R V SAW R V PARA G H SAW G H PARA G V SAW G V PARA B H SAW B H PARA B V SAW B V PARA - - - F -	-255 : +000 : +255	For executing the white shading compensation manually. The sawteeth-shaped waveform and the parabola waveform of the respective RGB channels are adjusted in the horizontal direction and the vertical direction.

**CAC ADJ**

Items/ Data Saved	Adjustable Range	Remarks
CAC CONTROL	ON OFF	<b>ON:</b> Enable chromatic aberration correction <b>OFF:</b> Disable chromatic aberration correction
- -   U   F   R		
CAC FILE DELETE	-	Deletes the CAC file stored in the internal memory of the unit, and selected using CAC FILE NO.
- - - - -		
CAC FILE NO.	01 : 32	Selects a CAC file when manual correction is in use. Also, selects CAC file for deletion when deleting CAC files using CAC FILE DELETE.
- - -   F   -		
TITLE SCROLL	01 : 25	Scrolls through CAC files. Select this option using the cursor. Press the jog dial button, and then turn the jog dial button to scroll through the CAC files.
- - -   F   -		
01:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
02:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
03:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
04:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
05:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
06:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
07:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		
08:		For displaying up to 32 file names, each up to 27 characters in length.
- - - - -		

**DIAGNOSTIC1**

Items/ Data Saved	Adjustable Range	Remarks
CAMSOFT MAIN		Displays the version of the main software for the camera microprocessor.
- - - - -		
CAM TABLE		Displays the version of the camera block settings table.
- - - - -		
PULSE FPGA		Displays the version of the program for driving the CCD.
- - - - -		
UCIF FPGA		Displays the version of the program for the microprocessor interface FPGA.
- - - - -		
FM FPGA		Displays the version of the program for the frame memory control FPGA.
- - - - -		

Items/ Data Saved	Adjustable Range	Remarks
CHAR FPGA		Displays the version of the program for the HD signal I/O control FPGA.
- - - - -		
DC FPGA		Displays the version of the program for the SD signal I/O control FPGA.
- - - - -		

**DIAGNOSTIC2**

Items/ Data Saved	Adjustable Range	Remarks
SYSCON SOFT		Display the software version for the system control microprocessor.
- - - - -		
LCD SOFT		Display the software version for the LCD microprocessor.
- - - - -		
P2CS OS		Display the OS version for the streaming controller.
- - - - -		
P2CS AP		Display the application version for the streaming controller.
- - - - -		
SH4CTRL FPGA		Display the program version for the streaming control FPGA.
- - - - -		
PRCCTRL FPGA		Displays the version of the program for the PRE RECORDING control FPGA.
- - - - -		
SYSIF FPGA		Display the program version for the serial interface FPGA.
- - - - -		
AVC-I SOFT		Display the control software version of the AVC-I board.
- - - - -		
AVC-I FPGA		Display the FPGA program version of the AVC-I board.
- - - - -		

**HOURS METER**

Items/ Data Saved	Adjustable Range	Remarks
OPERATION		Display total hours the camera power has been turned on.
- - - - -		
P.ON TIMES		Display total number of times the POWER switch has been turned on.
- - - - -		

## OPTION MENU

The \_\_\_\_\_ in the Adjustable Range column indicates the preset mode.

### OPTION

Items/ Data Saved	Adjustable Range	Remarks
ENG SECURITY	ON <u>OFF</u>	Select whether or not to prohibit opening the menu screen. <b>ON:</b> Menu screen cannot be opened. Please consult your distributor to release the setting. <b>OFF:</b> Menu screen can be opened.  - - - - -
FRAME RATE UB	FRM RATE MENU	For setting the user bits to record when the video system is set to 24P or 24PA. For details, refer to [Recording time code and user bits] (page 64). <b>FRM RATE:</b> For recording the shooting information (frame rate etc.) of the camera. <b>MENU:</b> This follows the settings in the UB MODE item and the VITC UB MODE item of <TC/UB> screen. However, the camera shooting information is always recorded when recording in native mode.  - C - - -
AUDIO OUT DELAY	DELAYED THROUGH	Select whether or not to delay audio, headphone and speaker outputs. <b>DELAYED:</b> Delay audio output in synchronization with video output. <b>THROUGH:</b> Output audio input without delay. This setting prevents echo effect between the sound source and audio output when the sound source is near the unit.  - C - - -
FAN MODE	OFF <u>AUTO</u>	For setting the operation mode of the fan <b>OFF:</b> The fan always stops. <b>AUTO:</b> The fan will run automatically when the temperature in the unit increases.  ◆Note Once the power is turned off, this will always be set to "AUTO" whenever the power is turned on. If the unit is operated as the fan stops, the temperature in the unit will increase, and data may not record or play back properly. Use the unit after setting this item to "AUTO" for normal operation.  - - - - -
RATE SET AT REC	ON <u>OFF</u>	For setting if the frame rate can be changed or not during VFR recording. <b>ON:</b> Frame rate can be changed. <b>OFF:</b> Frame rate cannot be changed.  ◆Note Audio while recording VFR will not be recorded onto the P2 card regardless of the frame rate setting when this is set to "ON".  - C U F -

### AREA SETTING

Items/ Data Saved	Adjustable Range	Remarks
AREA SELECT	NTSC NTSC (J) PAL  - - - - -	<b>NTSC:</b> Selects an NTSC area outside Japan. <b>NTSC (J):</b> Selects Japan. <b>PAL:</b> Selects a PAL area.
■ AREA SET	-	For changing the area setting selected using AREA SELECT. For more details about settings used in different areas, refer to [Color TV Standard Settings (Settings for frame frequency)] (page 14).  - - - - -